



Forest Practices Application/Notification
Office Checklist Page 1
Northwest Region

FPA/N #: 2817286

Received Date: 11-26-19

WDFW Concurrence Due Date: —

WDFW Concurrence Review Completed: —

Comments Due Date: 12-10-19

Decision Due Date: 12-26-19

FP Forester: SKY30

Shutdown Zone: 658

RMAP #: R2800010L

FPA/N CLASSIFICATION: [] II <input checked="" type="checkbox"/> III [] IVG [] IVS		Biomass [] FFFPP [] 20-acre exempt []
Landowner Name: DNR	Project Name: Brushcrasher	
WRIA: Snohomish	WAU: Upper Wallace River	
WRIA:	WAU:	
WRIA:	WAU:	
Legal Description: 21, 28-28-9E	County: Snohomish	
Activity Type: Harvest 209.9 ac	Spray _____ ac	Stream Crossing(s) 2
Road _____	Road _____	Rock Pit .2 ac
Construction 9958 ft	Abandonment 7718 ft	Spoils 2700 cy

ALTERNATIVE PRESCRIPTIONS ADDITIONAL COMMENTS:

- | | |
|--|---|
| <input type="checkbox"/> Alternate Plan | EARR Tax Credit <input checked="" type="checkbox"/> Yes [] No |
| <input type="checkbox"/> Ten-Year Forest Management Plan | <input checked="" type="checkbox"/> Habitat Conservation Plan |
| <input type="checkbox"/> Columbia River Gorge National Scenic Area | <input type="checkbox"/> Landowner Option Plan for Northern Spotted Owl |
| <input type="checkbox"/> Watershed Analysis: _____ | <input type="checkbox"/> Cooperative Habitat Enhancement Agreement |

RESOURCE REVIEW

- | | |
|--|--|
| <input checked="" type="checkbox"/> Unstable Slopes (Risk: Highway, Water; _____) | <input type="checkbox"/> Bull Trout Overlay |
| <input checked="" type="checkbox"/> Soils Map (Highly Erodible & Very Unstable) | <input type="checkbox"/> HCP Bull Trout Population |
| <input checked="" type="checkbox"/> SLPSTAB | <input type="checkbox"/> Bald Eagle nest or roost within 660 feet |
| <input type="checkbox"/> Landslide Inventory Polygon | <input type="checkbox"/> Group A or B Water Supply |
| <input type="checkbox"/> Potential Avalanche Areas | <input type="checkbox"/> Hatchery (Name: _____) |
| <input type="checkbox"/> High Avalanche Hazard Area | <input type="checkbox"/> Even-Aged Harvest greater than 120 Acres |
| <input checked="" type="checkbox"/> Rain-on-Snow and Outside Approved WA | <input type="checkbox"/> Ground-based Equipment on Slopes greater than 40% |
| <input type="checkbox"/> Hydric Soils | <input type="checkbox"/> Road Construction on Slopes greater than 65% |
| <input checked="" type="checkbox"/> Wetland <input checked="" type="checkbox"/> Forested, [] A, [] B | <input type="checkbox"/> Saltwater Islands (Name: _____) |
| <input type="checkbox"/> In WMZ of [] A, or [] B Wetland | <input checked="" type="checkbox"/> In or Over Typed Water |
| <input checked="" type="checkbox"/> In RMZ/ELZ of Type [] S, <input checked="" type="checkbox"/> F, [] N water | <input type="checkbox"/> Volume greater than 5 mbf per acre |
| <input type="checkbox"/> Water Verification | |

ASSOCIATED NON-SCANNED DOCUMENTS – On file with the FPA/N at the Region office.

- | | |
|--|---|
| <input checked="" type="checkbox"/> SEPA Checklist/Documents | <input checked="" type="checkbox"/> Large Landowner Road Maintenance and Abandonment Plan |
|--|---|

ASSOCIATED SCANNED DOCUMENTS

- | | |
|---|--|
| <input type="checkbox"/> Conversion Option Harvest Plan | <input type="checkbox"/> Hardwood Conversion Form |
| <input type="checkbox"/> FPHP Plans & Specifications | <input type="checkbox"/> Wetland Mitigation Plan |
| <input type="checkbox"/> Qualified Expert Report; Type: _____ | <input type="checkbox"/> Water Protocol Surveys |
| <input type="checkbox"/> Natural Regeneration Plan | <input type="checkbox"/> Modification Form# _____ |
| <input type="checkbox"/> Shoreline Permit | <input checked="" type="checkbox"/> Water Classification Worksheet |
| <input checked="" type="checkbox"/> Marbled Murrelet Form | <input type="checkbox"/> Shade Documentation (Stream Shade Assessment Worksheet) |
| <input type="checkbox"/> FPBM Appendix(s) _____ | <input type="checkbox"/> Watershed Analysis Worksheet |
| <input type="checkbox"/> Small Landowner RMAP Checklist | <input type="checkbox"/> DFC Printout |
| <input checked="" type="checkbox"/> CMZ Assessment Form | <input checked="" type="checkbox"/> Slope Stability Informational Form |

ADDITIONAL COMMENTS:

Form completed by SK



For DNR Region Office Use Only	
FPA/N #:	2817286
Region:	NW
Received Date:	11-26-2019

Forest Practices Application/Notification Western Washington

Project Name: Brushcrasher #98288

PLEASE USE THE INSTRUCTIONS TO COMPLETE THIS APPLICATION.

1. Landowner, Timber Owner and Operator

Legal Name of LANDOWNER Department of Natural Resources	Legal Name of TIMBER OWNER <input checked="" type="checkbox"/> Same as Landowner	Legal Name of OPERATOR <input type="checkbox"/> Same as Landowner
Mailing Address: 919 N Township St	Mailing Address:	Mailing Address:
City, State, Zip: Sedro-Woolley, WA 98284	City, State, Zip:	City, State, Zip:
Phone: (360) 856-3500	Phone:	Phone:
Email:	Email:	Email:

2. Contact Person

Contact Person: Tim Stapleton	Phone: (360) 856-3500 Email: tim.stapleton@dnr.wa.gov
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3. Are you converting the land to non-forestry use within 3 years of harvest?

☒ No ☐ Yes If yes, include your SEPA checklist and SEPA determination (if applicable) and county clearing and grading permit (if applicable).

4. If you are harvesting timber, enter the Forest Tax Number of the Timber Owner:

_____ Eligible for EARR Tax Credit ☐ No ☒ Yes

Contact the Department of Revenue at 1-800-548-8829 for tax reporting information or to obtain a number.

5. Are you a small forest landowner per RCW 76.09.450? See instructions

☒ No ☐ Yes If yes, **Check all that apply**. If no, skip to Question 6.

☐ My entire proposed harvest area is on a single contiguous ownership consisting of one or more parcels.

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- ☐ My proposed forest practices activities is within an area covered by an approved Forest Stewardship Plan or Forest Management Plan developed in cooperation with DNR.
- ☐ I received technical assistance from a DNR small forest landowner Stewardship and Technical Assistance Forester in preparing this FPA/N.
- ☐ I have participated in a Washington State University Extension Service and/or DNR-sponsored Forest Stewardship Coached Planning course.
- ☐ I have attended a Washington State University Extension Service and/or DNR-sponsored Family Forest Owner Field Day.

6. Are you substituting prescriptions from an approved state or federal conservation agreement or Watershed Analysis?

- ☐ No ☒ Yes Write 'HCP' or 'Using Prescriptions' in tables that apply. Attach or reference prescriptions and/or crosswalks for approved state or federal conservation agreements or Watershed Analysis on file at the Region office.

7. What is the legal description of your forest practices?

Section	Township	Range	E/W	Tax Parcel Number	County
21	28	09	E		Snohomish
28	28	09	E		Snohomish

*Does not include legal description for pre-haul maintenance; it is not a Forest Practices regulated activity.

8. Have you reviewed this forest practices activity area to determine whether it may involve historic sites and/or Native American cultural resources? Read the instructions before answering this question.

- ☐ No ☒ Yes If you made any contacts, please provide information in Question 28.

9. Do you have a DNR approved Road Maintenance and Abandonment Plan (RMAP)?

- a. ☐ No ☒ Yes Enter the RMAP number: R2800010L If yes, continue to b. If no, skip to c.
- b. ☐ No ☒ Yes Is this Forest Practices Application/Notification for work that is included in this approved RMAP?
- c. ☒ No ☐ Yes Is a Checklist RMAP required (see instructions)?

10. Are there potentially unstable slopes or landforms in or around the area of your forest practices activity?

- ☐ No ☒ Yes If yes, attach Appendix D. Slope Stability Informational Form and map of areas reviewed for and locations of unstable slopes and landforms found. If applicable, attach a geotechnical letter, memo, or report, Watershed Analysis prescriptions, and/or a SEPA Environmental Checklist.

11. Is this Forest Practices Application/Notification (answer every question):

- a. ☒ No ☐ Yes A request for a multi-year permit? If yes, length requested: ☐ 4 years or ☐ 5 years. Not everyone qualifies for a multi-year permit. See instructions for details.
- b. ☒ No ☐ Yes An Alternate Plan? If yes, include a template or detailed plan. See instructions for details.

- c. ☒ No ☐ Yes For a funded Forest Family Fish Passage Program project?
- d. ☒ No ☐ Yes Within an urban growth area? If yes, see instructions for additional required documents.
- e. ☒ No ☐ Yes Within a public park? If yes, include SEPA Environmental Checklist or SEPA Determination, except for harvest/salvage of less than 5,000 board feet within a developed public park.
Park name: _____
- f. ☐ No ☒ Yes Within 500 feet of a public park? Park name: Wallace Falls State Park
- g. ☒ No ☐ Yes In an approved Conversion Option Harvest Plan (COHP) from the local government? If yes, include a copy. This only applies to proposals within urban growth areas.
- h. ☒ No ☐ Yes Within 200 feet of the Ordinary High Water Mark (OHWM) or floodway of Type S Water? If yes, check with the county or city to determine whether a substantial development permit is required under the local shorelines master plan.
- i. ☐ No ☒ Yes Within 50 miles of saltwater AND do you own more than 500 acres of forest land in Washington State? If yes, include Marbled Murrelet Form or attach/reference HCP prescriptions.
- j. ☐ No ☒ Yes In or directly adjacent to a potential Channel Migration Zone (CMZ)? If yes, include CMZ Assessment Form. Attach/reference applicable HCP and/or Watershed Analysis prescriptions.

You are required to verify all waters within 200 feet of your proposed forest practices activities prior to submitting a Forest Practices Application / Notification. Use the Water Type Classification Worksheet and/or a Water Type Modification form to explain how you verified water types. See Water Typing Requirements in the instructions.

******* If not working in or over typed Waters, skip to Question 16 *******

Prior to answering Questions 12-15 in this section please refer to the Forest Practices Application Instructions and Forest Practices Board Manual Section 5.

12. Are you proposing any of the following projects NOT permitted by current HPAs from WDFW?

- a. ☒ No ☐ Yes Installing, replacing, or repairing a culvert at or below the bankfull width of Type S or F Water(s) that exceeds a five percent gradient?
- b. ☒ No ☐ Yes Constructing, replacing, or repairing a bridge at or below the bankfull width of unconfined streams in Type S or F Water(s)?
- c. ☒ No ☐ Yes Placing fill material within the 100-year flood level of unconfined streams in Type S or F Water(s)?

13. Have you consulted with DNR and/or WDFW about the proposed hydraulic project(s) in or over Type S or F Water? ☐ No ☒ Yes

14. If installing, replacing, removing, or maintaining structures in or over any typed Water, complete the table below. Provide crossing locations and identifiers on your Activity Map. Provide plan details in Question 28 or attach plan to the FPA/N. Type S and F Waters require detailed plan information. Complex hydraulic projects in Type N Waters may also be required per WAC 222-24-042(2). See instructions for detailed plan requirements.

Crossing Identifier (letter, number)	Water Type (S, F, Np, Ns)	*Existing HPA Number (if applicable)	HPA Expiration Date (if applicable)	Planned Activity (install, replace, remove, temporary, structure maintenance)	Structure (bridge, ford/equipment crossing** punchon/fill, arch, pipe arch, round culvert, other)	Proposed Size (width x length) (inches x feet)	Culvert Design Method (no-slope, stream-sim, hydraulic, other) (F and S only)	Channel Bed Width (ft) (F and S only)	Stream Gradient (%) (F and S only)	Is this an RMAP Project?

See FPA Narrative

*Existing HPAs issued by WDFW will be complied and enforced by WDFW until expiration. Plan details are not required for hydraulic projects permitted with an existing HPA (see instructions).

**Fords and/or equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain threatened or endangered fish species. For more information, see 'Background for the State's Incidental Take Permits for certain threatened and endangered fish species' following Question 22 of the FPA/N Instructions.

15. If conducting any of the following activities in or over typed Water(s), complete the table below. Some activities will require identifiers on the Activity Map and/or more information in Question 28. See instructions.

*Activity	Type S Water	Type F Water	Type Np Water	Type Ns Water
Equipment Crossing**	PROVIDE DETAILS IN QUESTION 14		✓	✓
Suspending Cables			✓	✓
Cable Yarding			✓	✓
LWD Placement/Removal				
Beaver Dam Removal				
Felling and Bucking			✓	✓
Other (describe in Question 28)				

*Existing HPAs issued by WDFW will be complied and enforced by WDFW until expiration. Plan details are not required for hydraulic projects permitted with an existing HPA (see instructions).

** Fords and/or equipment crossings on Type S and F Waters must be identified in Question 14.

16. If constructing or abandoning forest roads, complete the table below. Show the road locations and identifiers on the Activity Map. Include abandonment plans for all temporary roads and abandonment projects.

Road Identifier (name, number)	Road Construction		Road Abandonment	
	Length (feet)	Steepest Side-slope (%)	Length (feet)	Abandonment Date (MM/YYYY)
Total	9,958	50	7,718	04/2022

See FPA Narrative

17. If depositing spoils and/or expanding or developing a rock pit for forestry use, complete the table below. Show locations and identifiers on the Activity Map.

Spoil Area Identifier (letter, number)	Amount of Spoils Deposited (cubic yards)	Rock Pit Identifier (name, number or letter)	Acres of New Rock Pit Developed	Acres of Existing Rock Pit Expanded
	See FPA Narrative			

18. If operating within 200 feet of a wetland not associated Type F Water, complete the table below. Wetlands associated with Type S or F water should be listed in Question 25. Show the boundaries of each wetland, along with its identifier, and Wetland Management Zones on the Activity Map. See instructions for information.

Wetland Identifier (letter, number)	Wetland Type (A, B, Forested)	Planned Activities in Wetland	Planned Activities in Maximum Width WMZ	Total Wetland Acres	How many Acres will be drained?	How many Acres will be filled?
		See Aquatics Addendum				

***** If not harvesting or salvaging timber, skip to Question 27 *****

19. If harvesting or salvaging timber, complete the table below. Show all harvest areas and unit numbers on the Activity Map. For even-aged harvest units, also show surrounding stand information on the Activity Map.

Unit Number	Harvest Type (Even-aged, Uneven-aged, Salvage, Right-of-Way)	Biomass Harvest (Y or N)	Harvest Method (rubber tired skidder, tracked skidder, dozer, shovel, full suspension cable, leading end suspension cable, helicopter, cable assist/tethered logging, animal, chipper, forwarder, slash bundler)	Acres to be Harvested	Volume to be Harvested (mbf)	Volume to be Harvested (tonnage)	Volume to be Harvested (%)	Steepest Slope in Harvest Unit (%)
1	Even-aged*	N	Ground/Cable	209.3	5243	--	51	75

*Includes 101.4 acres of variable density thinning and 5.4 acres of ROW.
Unit collectively labeled 1A, 1B and 1C on the Activity Map.

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20. Reforestation. Check all that apply:

- ☒ Planting. Tree Species: DF, WRC
- ☒ Natural. Include a Natural Regeneration Plan
- ☐ Not required because of one or more of the following:
- ☐ I am converting some or all of this land to non-forest land in the next 3 years or lands are exempted under WAC 222-34-050.
 - ☐ Individual dead, dying, down, or wind-thrown trees will be salvaged.
 - ☐ Trees are removed under a thinning program reasonably expected to maximize the long-term productivity of commercial timber.
 - ☐ I am leaving at least 100 vigorous, undamaged, and well-distributed saplings or merchantable trees per acre.
 - ☐ An average of 190 tree seedlings per acre are established on the harvest area and my harvest will not damage them.
 - ☐ Road right-of-way or rock pit development harvest only.

**** Do you own MORE than 80 acres of forest land in Washington? If yes, skip to Question 25 ****

21. Are you using the exempt 20-acre parcel riparian management zone (RMZ) rule (WAC 222-30-023) on type S, F, or Np Waters?

- ☐ No Skip to Question 25.
- ☐ Yes Continue to Question 22. See instructions for qualifications and information.

22. Choose the answer below that best fits your situation. Show all RMZs on the Activity Map.

- ☐ a. ALL of the following apply to me and my land: (If no, answer b.)
- Between June 5, 2006 and today's date I have always owned less than 80 acres of forest land in Washington.
 - Between June 5, 2006 and today's date this parcel has always been 20 acres or less of contiguous ownership. See RCW 76.09.020 for definition of 'contiguous'.
 - Between June 5, 2006 and today's date this parcel has always been owned by me or someone else that has owned less than 80 acres of forest land in Washington.
- b. ONE OR MORE of the following apply to me and/or my land (check all that apply):
If any of the statements below apply AND you use the exempt 20-acre parcel RMZ rule, you are NOT authorized under the State's Incidental Take Permits (see explanation in FPA instructions under Question 22).
- ☐ Between June 5, 2006 and today's date I have owned more than 80 acres of forest land in Washington.
 - ☐ Between June 5, 2006 and today's date this parcel has been a part of more than 20 acres of contiguous ownership. See RCW 76.09.020 for definition of 'contiguous'.
 - ☐ Between June 5, 2006 and today's date this parcel has been owned by someone that has owned more than 80 forested acres in Washington.

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23. If harvesting within 115 feet of a Type S or F Water on an exempt 20-acre parcel, complete the table below. Show RMZs and stream segment identifiers on the Activity Map. If you are harvesting within 75 feet or within the maximum RMZ (whichever is less), stream shade must be assessed and met following harvest. Describe in Question 28 how stream shade was determined to be met, using the 'Appendix F. Stream Shade Assessment Worksheet' if necessary.

Stream Segment Identifier (letter)	Water Type (S, F)	Segment Length (feet)	Bankfull Width (feet)	RMZ Maximum Width (feet)	Are you harvesting within the maximum RMZ? (Y or N)

24. Are you harvesting within 29 feet of a Type Np Water on an exempt 20-acre parcel?

☐ No Skip to Question 27.

☐ Yes See instructions and describe leave tree strategy in Question 28. Then skip to Question 27.

25. If harvesting within 200 feet of any Type S or F Water or periodically inundated areas of their associated wetlands, complete the table below. Include Desired Future Condition (DFC) for all inner zone harvests unless you have an HCP prescription. Show RMZs, CMZs, and stream segment identifiers on the Activity Map. If you are harvesting within 75 feet or within the maximum RMZ, whichever is less, stream shade must be assessed and met following harvest. Describe in Question 28 how stream shade was determined to be met or use the 'Appendix F. Stream Shade Assessment Worksheet' if necessary.

Stream Segment Identifier (letter)	Water Type (S, F)	Site Class (I - V)	Stream Width (feet)	Is there a CMZ? (Y or N)	RMZ Harvest Code(s) (see instructions)	DFC Run Number	Total width of RMZ (feet)

See Aquatics Addendum

26. If harvesting within 50 feet of Type Np Water, complete the table(s) below. Show RMZs and stream segment identifiers on the Activity Map.

Stream Segment Identifier (letter)	Total Stream Length in Harvest Unit (feet)	Length of No-Harvest, 50-foot Buffers in Harvest Unit (feet)	Stream Segment Identifier (letter)	Total Stream Length in Harvest Unit (feet)	Length of No-Harvest, 50-foot Buffers in Harvest Unit (feet)

See Aquatics Addendum

27. How are the following currently marked on the ground? (Flagging color, paint color, road, fence, etc.) Harvest/

Salvage Boundaries: N/A

Clumped Wildlife Reserve Trees/Green Recruitment Trees: Blue paint and yellow "Leave Tree Area" tags

Right-of-Way Limits/Road Centerlines: Orange "Right of Way" tags and wooden stakes with orange flagging

Stream Crossing Work: To be flagged by operator, then approved by State lands Contract Administrator with consultation of FP Forester.

Riparian Management Zone Boundaries and Leave/Take Trees: N/A

Channel Migration Zone: Pink/green flagging, WF-87 Road, blue paint

Wetland Management Zone Boundaries and Leave/Take Trees: N/A

28. Additional Information (attach additional pages if necessary): For hydraulic projects in or over Type S, F, or complex N Water(s) see instructions for required plan information. If applicable, document the mitigation measures you will be implementing from a geotechnical memo, letter, or report.

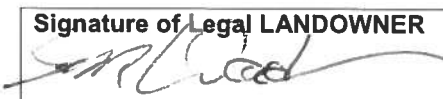
See FPA Narrative

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29. We acknowledge the following:

- The information on this application/notification is true.
- We understand this proposed forest practice is subject to:
 - The Forest Practices Act and Rules AND
 - All other federal, state or local regulations.
- Compliance with the Forest Practices Act and Rules does not ensure compliance with the Endangered Species Act or other federal, state or local laws.
- If we said that we would not convert the land to non-forestry use, the county or city may deny development permits on this parcel for the next 6 years.
- The following may result in an unauthorized incidental take of certain endangered or threatened fish species:
 - Conversion of land to non-forestry use.
 - Harvesting within the maximum RMZ on a 20-acre exempt parcel that was acquired after June 5, 2006.
 - Equipment Crossings/Fords in or over Type S and F Waters.
- Inadvertent Discovery – Chapters 27.44, 27.53, 68.50 and 68.60 RCW
 - If you find or suspect you have found an archaeological object or Native American cairn, grave, or glyptic record, immediately cease disturbance activity, protect the area and promptly contact the Department of Archaeology and Historic Preservation at 360 586-3077.
 - If you find or suspect you have found human skeletal remains, immediately cease disturbance activity, protect the area, and contact the County Coroner or Medical Examiner and local law enforcement as soon as possible. Failure to report human remains is a misdemeanor.

The landowner understands that by signing and submitting this FPA, he/she is authorizing the Department of Natural Resources to enter the property in order to review the proposal, inspect harvest operations, and monitor compliance for up to three years after its expiration date. RCW 76.09.150

Signature of Legal LANDOWNER 	Signature of Legal TIMBER OWNER* (If different than landowner)	Signature of Legal OPERATOR (If different than landowner)
Print Name: Samuel Waidson	Print Name:	Print Name:
Date: 9/12/2019	Date:	Date:

*** NOTE:** If you are a "Perpetual Timber Rights Owner," and are submitting this without the Landowner's Signature, provide written evidence the landowner has been notified.

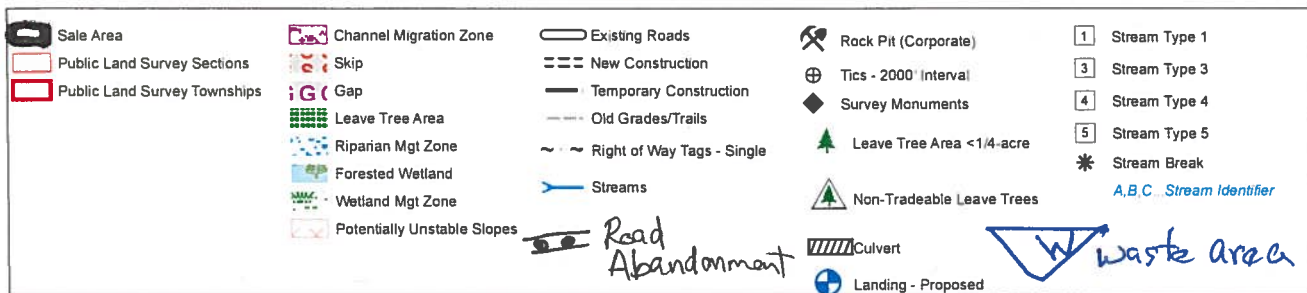
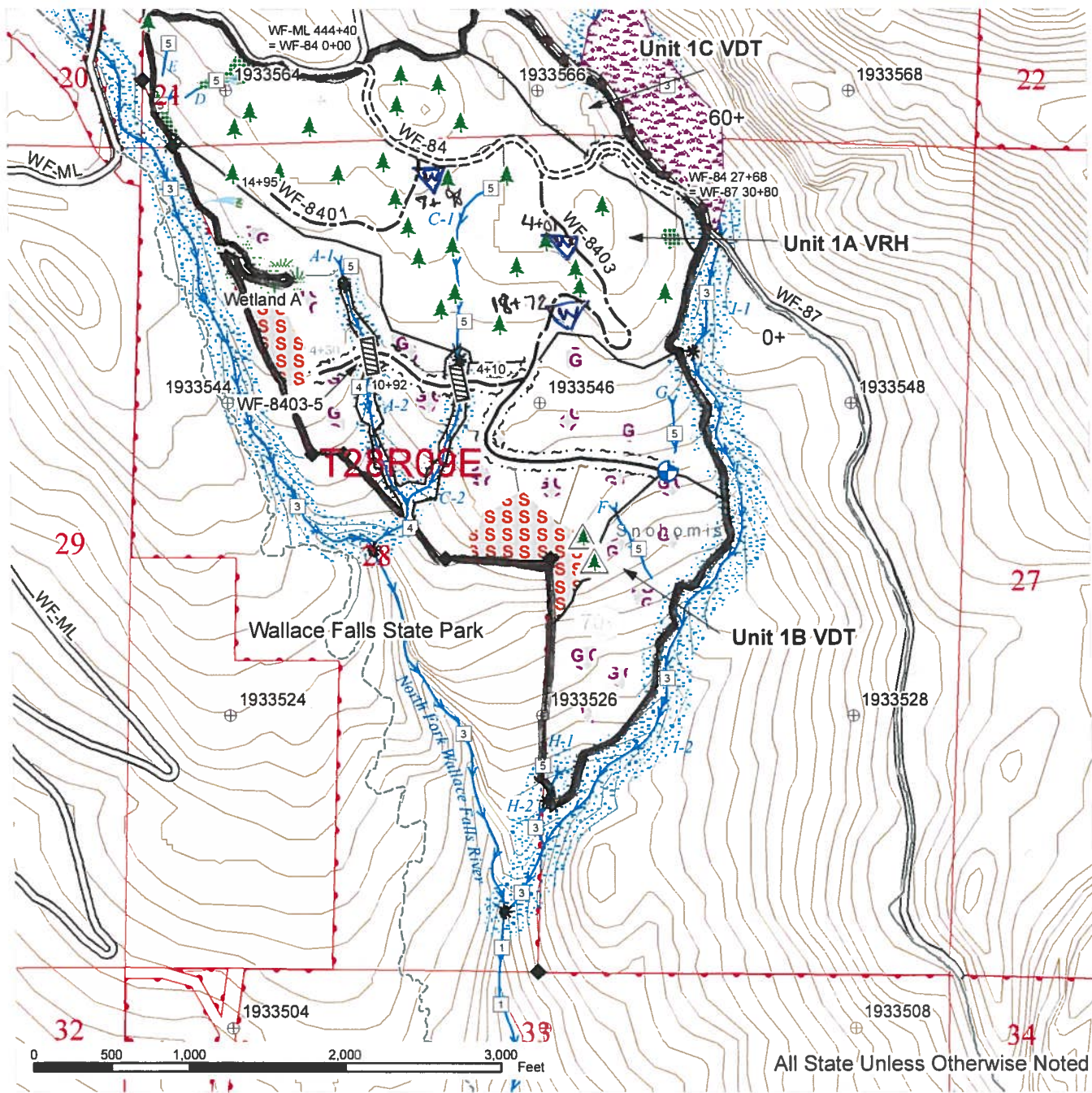
Please make a copy of this FPA/N for your records. If this FPA/N contains a hydraulic project requiring WDFW concurrence review, it will not be available online for public review until after the WDFW concurrence review period.

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FOREST PRACTICES ACTIVITY MAP

SALE NAME: BRUSHCRASHER VRH VDT
APPLICATION #: 30-098288

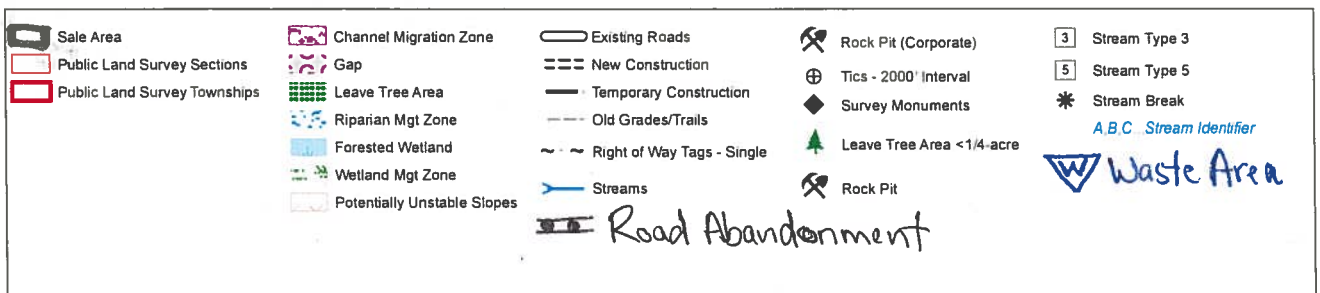
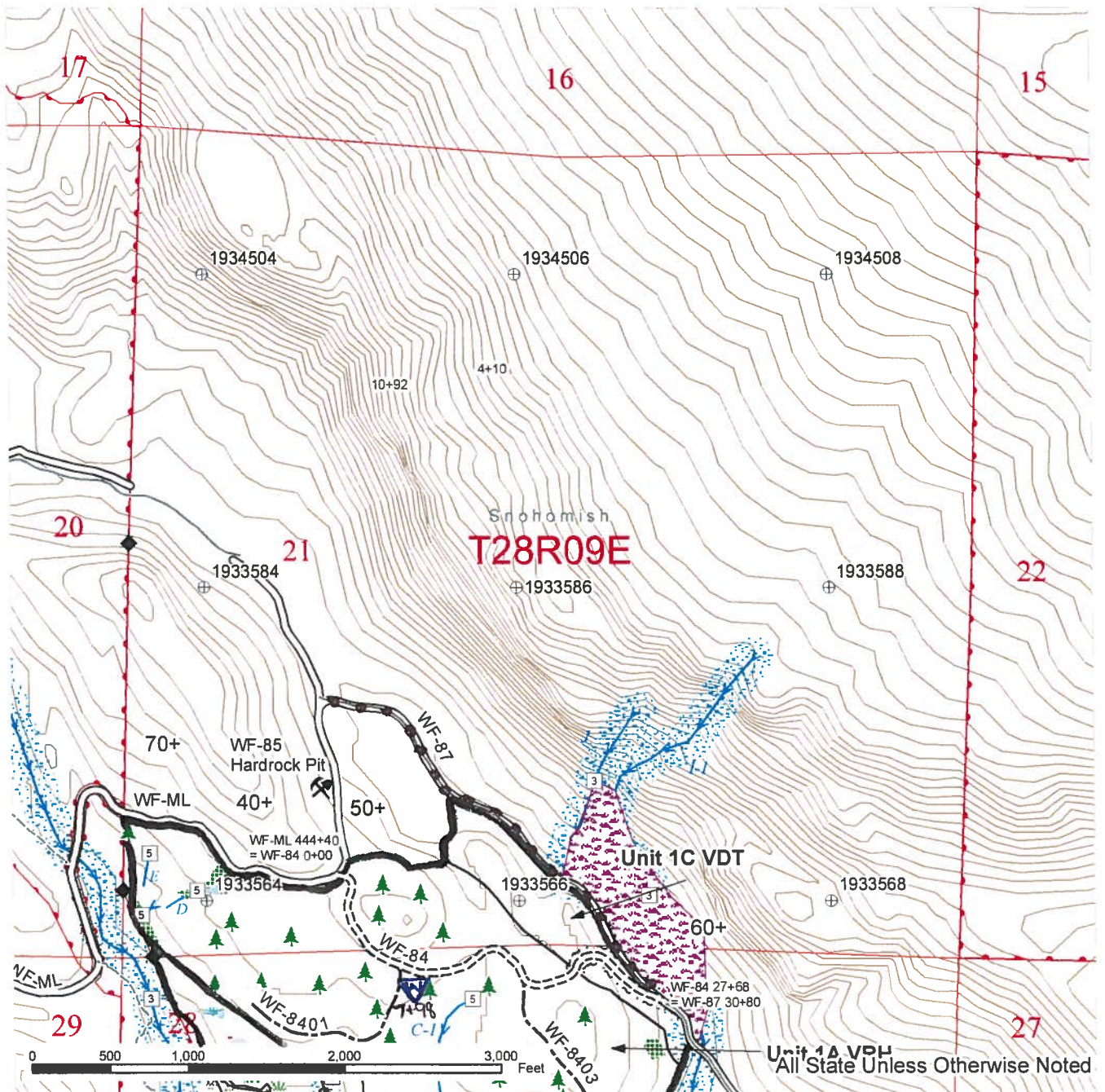
COUNTY(S): Snohomish
TOWNSHIP(S): T28R9E



FOREST PRACTICES ACTIVITY MAP

SALE NAME: BRUSHCRASHER VRH VDT
APPLICATION #: 30-098288

COUNTY(S): Snohomish
TOWNSHIP(S): T28R9E



FPA Narrative

This proposed activity is being conducted on lands covered by the Department's multi-species HCP. These planned activities are consistent with our approved HCP dated September 1997 and associated Incidental Take Permits. See the attached HCP checklist for habitats and species both covered by our HCP agreement and specifically addressed with this proposal. Additionally, attached are DNR proprietary HCP/FPA substitute Addendums for Aquatic Resources, Northern Spotted Owl and Marbled Murrelets. This proposal also complies with the letter of agreement dated February 23, 2007 between DNR state lands and the US Fish and Wildlife Service.

Question #14:

If installing, replacing, removing or maintaining structures in or over any typed water, complete the table below. Type S and F waters require detailed plan information. Provide plan details in number 28 or attach plan to the FPA/N. Provide crossing locations and identifiers on your Activity Map. (A detailed plan with profiles may also be required for more complex hydraulic projects in Type N Waters per WAC 222-24-042(2)).

Crossing Identifier (letter and/or number)	Water Type (S, F, Np, Ns)	*Existing HPA Number (if applicable)	HPA Expiration Date (if applicable)	Planned Activity (install, replace, remove, temporary, structure maintenance)	Structure (culvert, bridge, ford**, punchon, arch, other)	Proposed Size (dimensions of structure)	Culvert Design Method (No-slope, Stream-sim, Hydraulic, Other) (F and S only)	Channel Bed Width (ft) (F and S only)	Stream Gradient (%) (F and S only)	RMAP Project (Y or N)	FFPPP Project (Y or N)
4+10	4	--	--	Temporary	Culvert	24x40	--	--	--	N	N
10+92	4	--	--	Temporary	Culvert	24x40	--	--	--	N	N

*Existing HPAs issued by WDFW will be complied and enforced by WDFW until expiration. Plan details are not required for hydraulic projects permitted with an existing HPA (see instructions).

** Fords and equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain endangered or threatened fish species. For more information, see "Background for the state's Incidental Take Permits for certain endangered and threatened fish species" following number 24 of the FPA/N Instructions.

Sale Name: Brushcrasher App. No: 30-098288

Question #15:

Further information relating to question 15:

In order to achieve adequate deflection, cables may be suspended over type 3, 4 and 5 streams. If yarding occurs over type 5 streams, lead end of logs will be suspended over streams. Equipment for ground-based operations will cross type 5 streams at designated crossings. Type 5 stream crossings by ground-based equipment shall be as close to perpendicular as possible and may require log cribbing, culvert installation, or other approved methods to be in place to protect channels and banks. Timber will be fallen and yarded away from all streams when possible.

Question #16:




Any roads to be built then abandoned (also know as temporary road) that are listed in the table for Question #16, are "optional construction roads". Of the length listed in the table, zero feet up to the entire length listed may be built. For further information please see the road plan associated with the timber sale, on file at the Northwest Region Office.

Road Identifier (Name, Number)	Road Construction		Abandonment Plan	
	Length (feet)	Steepest Side-slope (%)	Length (feet)	Abandonment Date
WF-84	2768	45	0	4/2022
WF-8401	1495	40	1495	4/2022
WF-8403	4265	50	1713	4/2022
WF-8403-05	1430	45	1430	4/2022
WF-87	-	-	3080	4/2022

Sale Name: Brushcrasher App. No: 30-098288

Question #17:

Additional pit(s) may be developed/utilized along haul route or constructed roads. These will be less than 0.5 acre, and located outside RMZ's or sensitive areas.

Spoil Area Identifier (Number, Letter)	Spoils Deposited (Cubic Yards)	Rock Pit Identifier* (Name, Number, Letter)	Acres of New Rock Pit Developed	Acres of Existing Rock Pit Expanded
WF-84 7+98 	1200			
WF-8403 4+01 	1000			
WF-8403 18+72 	500			
		WF-85		0.2

*List all Rock Pits to be used on this project, one per line. If the rock pit will not be developed or expanded, just type N/A. If you have a waste area please add the symbol for waste/soils area

Question #19:

Ground-based operations will be limited to sustained slopes 35% or less. However, if self-leveling ground-based equipment is authorized, it may be used on sustained slopes 50% or less; also, tethered equipment may be utilized.

Question #28:

Activity Map – Leave Tree locations depicted are approximate. Leave trees may be exchanged or traded to locations other than mapped on the Activity Maps to facilitate operational feasibility, except those leave tree areas that are shown as non-tradeable on the Activity Map.

Appendix D. 2b.

Tail holds/guy lines are permitted over inner gorges but not on trees within inner gorges.

Additional Q.16 Road Abandonment

Per the FPA Instructions:

A written plan that shows how the road will be left to:

**Control erosion*

**Maintain water movement within wetlands and other natural drainages, and*

**Prevent four-wheeled highway vehicles from entering the point of closure.*

The following will be accomplished as applicable to meet the on-site conditions during the course of road abandonment work:

- * Remove all ditch relief culverts. The resulting slopes will be 1:1 or flatter. Place and compact the removed fill material in a location that will not erode into any typed waters or wetlands.
- * Remove all culverts in natural drainages. The resulting slopes will be 1 ½ :1 or flatter. Strive to match the existing native stream bank gradient. The natural streambed width will be re-established. Place and compact the removed fill material in a location that will not erode into any typed waters or wetlands.
- * Transport all removed culverts off site.
- * Construct non-drivable waterbars at natural drainage points and at a spacing that will produce a vertical drop of no more than 20 feet between waterbars and with a maximum horizontal spacing of 400 feet.
- * Skew waterbars at least 30 degrees from perpendicular to the road centerline on roads in excess of 3 percent grade.
- * Key waterbars into the cut-slope to intercept the ditch. Waterbars will be outsloped to provide positive drainage. Outlets will be on stable locations.
- * Inslope or outslope the road as appropriate.
- * Remove bridges and other structures as applicable.
- * Pull back unstable fill that has potential of failing and entering any typed waters or wetlands. Place and compact removed material in a stable location.
- * Remove berms except as designed.
- * Block the road by constructing an aggressive barrier of dense interlocked large woody debris (logs, stumps, root wads, etc.) so that four wheel highway vehicles cannot pass the point of abandonment. Typical barrier dimensions are 10 feet high by 20 feet deep, spanning the entire road prism from top of cutslope to toe of fillslope. Long term effectiveness is the primary objective. If necessary construct a vehicular turn-around near the point of abandonment.
- * Apply grass seed to all exposed soils resulting from the abandonment work.
- * May provide a protective cover for seed if revegetation occurs between July 1 and March 31. The protective cover may consist of dispersed straw, jute matting, or clear plastic sheets.



WASHINGTON STATE DEPT OF
**NATURAL
RESOURCES**

Forest Practices
Informal Conference Note

ICN No. 135611	Legal Subdivision SE 1/4	Section 21	TWP 28	RGE E/W 9E	Application / Notification #	Class
Landowner Department of Natural Resources – Sam Woodson		Timber Owner Same as landowner			Operator	
Mailing Address 919 N. Township St.		Mailing Address			Mailing Address	
City, State /Province), Zip /Postal Code) Sedro-Woolley, WA 98284.		City, State /Province), Zip /Postal Code			City, State /Province), Zip /Postal Code)	
Meeting Location On site		Telephone Conference <input type="checkbox"/>	Date 9/10/2019	Time 1300	Region NW	

Subjects Discussed:

Landowner representatives requested a pre-application review of the planned "Brushcrasher TS".

August 27 – on site review. Question about CMZ delineation. Requested site review with FP Geologist.

Remote review by Josh Hardesty:

The alluvial fan for which a CMZ assessment was performed is NE of the NE PHU boundary between the elevations of roughly 1835ft – 2000ft. Road WF-87 runs along the distal extent of this fan immediately adjacent to the PHU boundary. Lidar derivatives suggest that the distal portions of this alluvial fan may be within the PHU.

Sept. 10 – site review with Mitch and Tyson:

The portions of road WF-87 positioned adjacent to this area of concern were walked. The adjacent portion of the PHU was heavily vegetated and the road was perforated by a culvert at this location. The up-slope stream channel coincident with this culvert was walked. Although water was not actively flowing, there were portions lined by sub-angular cobbles with abundant woody debris accumulated on the up-slope side of annual vegetation. These signs of recent water flow suggest this portion of the alluvial fan is likely active and part of a CMZ.

Decisions Made:

The distal portions of the alluvial fan are active and is a part of the CMZ. The proponent will adjust the harvest boundary to bound out the alluvial fan's CMZ prior to submittal of an FPA. No additional information is needed to address the potential for the proposed forest practices to adversely impact this channel migration zone at this time.

PRINT Participants' Names Tyson Whiteid Mitchell Allen		*SIGNATURES of Participants <i>[Signature]</i> <i>[Signature]</i>		Representing landowner DNR FP Geology	Copies Mailed <input type="checkbox"/> <input type="checkbox"/>
Position No. 2925	Signature & Title of DNR Representative Steven Huang, Skykomish FPF			Date 9/18/2019	Work Phone (360)770-9806
* (Participant signature means Note is correct for subjects discussed and decisions made at the meeting.) Did not attend -- mail copies to: WFPARM, FPDm, FPCoord, SKY30 <input type="checkbox"/> Timber Owner <input checked="" type="checkbox"/> Landowner <input checked="" type="checkbox"/> Others: SNOCO, ECY, DFW, DOR, TULALIP					

Appendix D. Slope Stability Informational Form

Complete and attach this form to your FPA/N if you answered 'Yes' to FPA Question 10. Refer to WAC 222-16-050(1)(d) and Forest Practices Board Manual Section 16—*Guidelines for Evaluating Potentially Unstable Slopes* for definitions and descriptions of potentially unstable slopes or landforms.

1. a. What preliminary screening tools were used to identify unstable slopes or landform features in and/or around your proposal?

☒ Aerial Photo, ☒ LiDAR, ☐ Landslide Inventory, ☐ Landslide Hazard Zones, ☒ GIS,
☐ Other, describe:

Landslide Inventory and Landslide Hazard Zones layers are not available for this area.

- b. Did any of the features identified during the preliminary screening (1.a.) not exist when you performed a field review? If yes, describe:

No.

2. a. Are you conducting forest practices activities in or over potentially unstable slopes or landforms? Check all that apply:

☒ Inner Gorge ☐ Groundwater recharge areas for glacial deep-seated landslides
☐ Bedrock Hollow ☐ Convergent Headwall ☐ Toe of deep-seated landslide
☐ Outer edges of meander bends
☐ Other (Deep-seated landslides or other features of potentially unstable slopes). Describe:

Cable will be suspended over inner gorge; however, yarding will only occur within the unit and not over the inner gorge. Cutting of any trees or tail-holding is not permissible within the inner gorge areas. The inner gorges are all located along Stream I on the eastern boundary of the proposal.

- b. What activities may occur in or over potentially unstable slopes or landforms? Check all that apply:

☐ Timber harvest ☐ Road construction ☒ Suspending cables ☐ Yarding ☐ Tailholds

3. a. Are you conducting forest practices activities around potentially unstable slopes or landforms? Check all that apply:

☒ Inner Gorge ☐ Groundwater recharge areas for glacial deep-seated landslides
☐ Bedrock Hollow ☐ Convergent Headwall ☐ Toe of deep-seated landslide
☐ Outer edges of meander bends
☐ Other (Deep-seated landslides or other features of potentially unstable slopes). Describe:

Inner gorges have bound out of the sale area.

- b. What activities may occur around potentially unstable slopes or landforms? Check all that apply:

☒ Timber harvest ☒ Road construction ☒ Suspending cables ☒ Yarding ☒ Tailholds

4. a. Were any features identified in question 3.a. excluded from your forest practices activity?

☐ No, skip to question 5. ☒ Yes, continue to question 4.b.

b. Describe the field indicators you used to exclude potentially unstable slopes or landforms from your forest practices activity (i.e.: flagging was placed a crown width away from the break in slope of the inner gorge.):
Harvest boundary and right of way tags were placed at least a crown width from the break in slope above inner gorges or 25 feet from the stream edge, whichever is greater.

5. Are there areas of public use (which may include, but are not limited to: public roads, utilities, designated recreation areas, occupied structures, etc.) located in or around the area of your proposed forest practices activity?

☐ No ☒ Yes, Show these locations on the map in question 7.

Wallace Falls State Park is adjacent to the proposal area. State park and DNR maintained trails are in the vicinity of the proposal area.

6. Date(s) of field review(s): June 2019

Person(s) that conducted field review(s):	<u>Sam Woodson</u>	<u>Forester</u>
	Name	Title/position
	<u>Tyson Whiteid</u>	<u>Boulder Unit Forester</u>
	Name	Title/position

7. Attach a map that shows the following:

- All areas reviewed.
- Locations of unstable slopes and landforms that were identified as described in question 2.a. and 3.a. above.
- Locations where areas of public use exist as described in question 5 above.

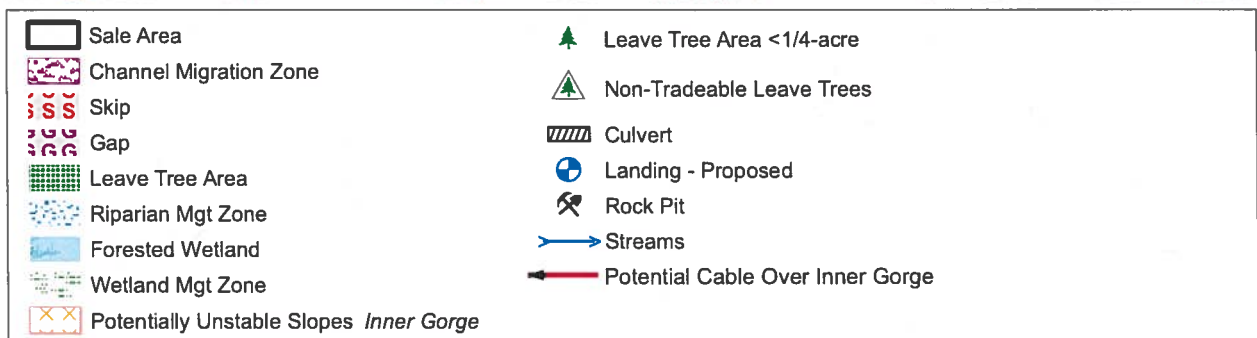
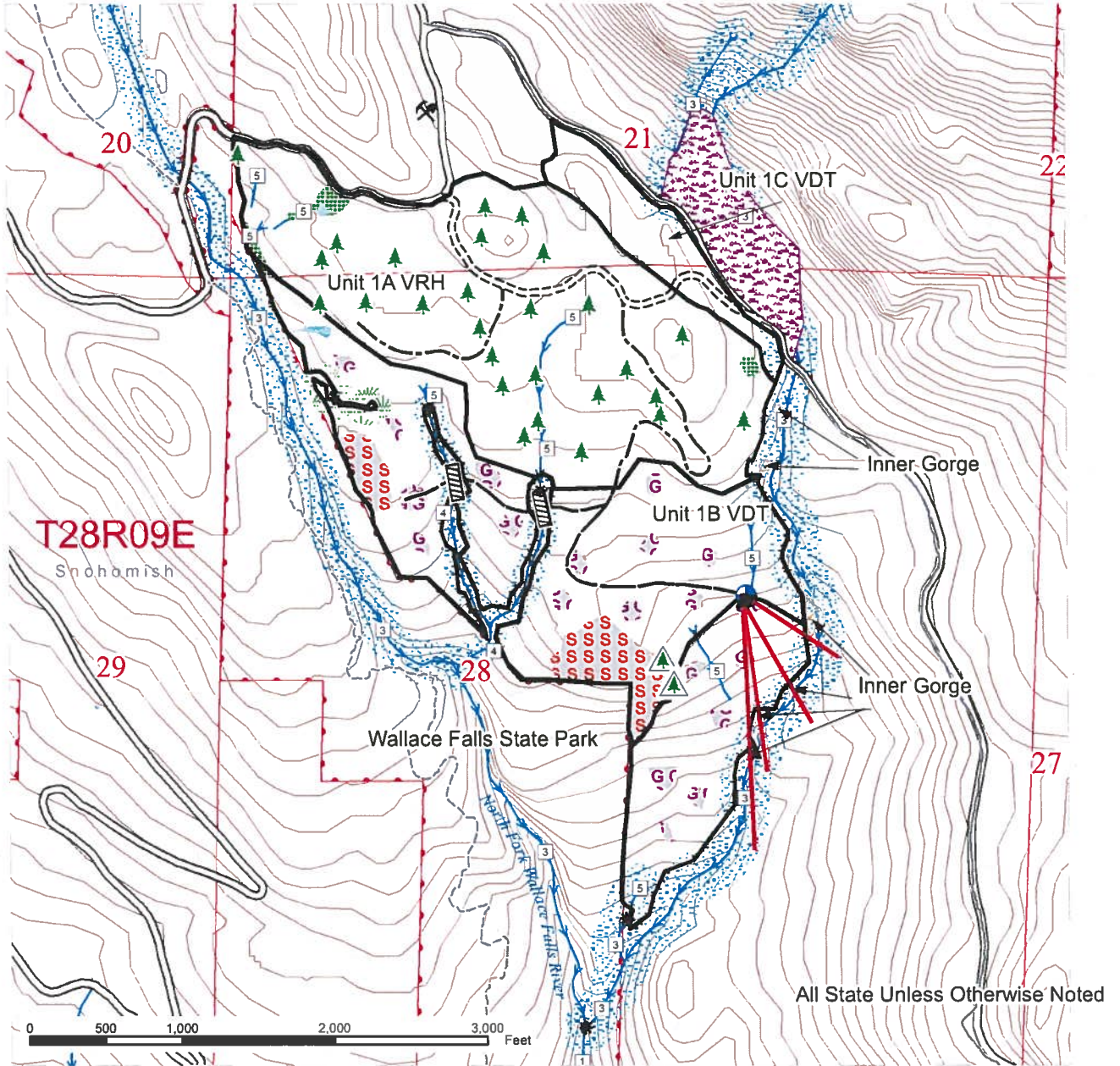
This map is intended to be developed by the field practitioner. This can be a forest practices activity map, harvest map, or GIS map – See attached example.

2817286 =

SLOPE STABILITY MAP

SALE NAME: BRUSHCRASHER VRH VDT
APPLICATION #: 30-098288

COUNTY(S): Snohomish
TOWNSHIP(S): T28R9E



Prepared By: swoo490

Modification Date: swoo490 9/9/2019

2817286

Appendix E. CMZ Assessment Form

Section 28, 21, Township 28, Range 09East

Complete and attach this informational form to your FPA/N if you answered 'Yes' to FPA Question 11j. Refer to Forest Practices Board Manual Section 2—*Standard Methods for Identifying Bankfull Channel Features and Channel Migration Zones* for guidance on evaluating Channel Migration Zones (forms within Forest Practices Board Manual 2 are optional).

Applicant Office Review:

1. Screening tools used: ☒ GIS ☒ Aerial Photo Years: 1990-2000, 1989, 2018 ☒ LIDAR ☐ USGS Topographic Map
☐ Other (describe):
2. Are you aware of channel movement or did you observe obvious channel movement between aerial photograph years?
☐ No, continue to question 3 ☒ Yes, continue to question 5
3. Evaluate valley confinement using USGS topographic map(s) or aerial photographs.
☐ Valley floor is significantly wider than the channel. Channel migration may be occurring.
☐ Valley floor is very narrow, obviously less than twice as wide as the channel. If you can clearly see this circumstance on the aerial photographs, it is unlikely that channel migration is occurring.
4. Did you observe any of the following on the aerial photographs?
☐ Side Channels ☐ Multiple Channels (Braiding)
☐ Large Gravel Bars ☐ Wood Jams
☐ Eroding Banks ☐ High Sinuosity or Sharp Channel Bends
☐ New Channels Occurring Between Photo Years (Avulsions)

Field Review:

Date of field review: 7/9/19

Person(s) that conducted field review:

Sam Woodson

Forester

Name

Title/position

Tyson Whiteid

Boulder Unit Forester

Name

Title/position

5. If CMZ is present check the component(s) present in your CMZ delineation.
☒ Avulsion hazard area ☐ Erosion hazard area (attach erosion rate calculations)
6. What was the distance of channel walked? What was the length of CMZ boundary delineated?
About 1030 feet of the main channel was walked and nearby channels were also looked at. The length of the CMZ boundary affecting the timber sale was determined to be 1460 feet. See FPA map.

Briefly describe how you determined a CMZ exists, how you delineated the outer edge of the CMZ, and how you marked

the outer edge of the CMZ on the ground (flagging color, paint, etc.):

When the timber sale project was started there was a known alluvial fan causing a washout on the WF-87 road. I walked a length of Stream 1 (type 3 stream) upstream from the WF-87 road. I also walked around the fan shaped area that the stream flows through and found several other channels. I noticed that one of these channels (the one that washed out the WF-87) exhibited seasonal stream flow. Side channels, channel braiding, wood jams, sharp channel bends, and gravel bars were all observed in the avulsion hazard zone (alluvial fan) but not observed southwest of the WF-87 road. It was determined that the outside edge of the alluvial fan is the south ditch of the WF-87 road based on the lack of evidence of stream flow, abandoned channels, buried trees or stumps, or other evidence of an alluvial fan. The alluvial fan is bound out of the timber sale.

Appendix H. Natural Regeneration Plan Western Washington

If you use this form, include a map showing the locations of your seed source.

Landowner Name: Washington State Department of Natural Resources

The landowner is responsible for meeting Forest Practices reforestation requirements per WAC 222-34-010.

Legal Description: S21 and S28, T28, R09E

Harvest is scheduled to occur (month/year): Beginning February 2020

Check one of the following:

- ☐ The landowner proposes an alternate plan (WAC 222-34-010(6)) for natural reforestation as attached.

OR

- ☒ The landowner agrees to follow all the requirements listed below (WAC 222-34-010(5)).
- There is a seed source available that is capable of producing well-formed trees of a commercial tree species
 - The landowner will not harvest this seed source until Forever, or earlier if DNR issues a reforestation inspection report.
 - The seed source is:
 - Shown on an attached map
 - Marked on the ground
 - At least 8 seed trees per acre
 - Within 400 feet of areas requiring reforestation
 - The regeneration will be protected from competing vegetation and allowed to establish, grow, and survive.

**Forest Practices Application/Notification Addendum
DNR Proprietary HCP, WAC Replacement Summary for Aquatic Resources, 2008
Five West-side Planning Units, Excluding the OESF**

Please refer to the DNR Proprietary HCP Substitution Agreement for Aquatic Resources, 2008. Please check all HCP prescriptions and/or activities, which are relevant to this proposal and describe the management prescriptions and final stand composition at the end of this checklist.

NOTE: When assessing hydrologic maturity for each sub-basin inside the rain-on-snow zone, DNR staff will use the most updated data layer delineating Watershed Administrative Units as designated by Forest Practices.

- ☒ Assessing Hydrologic Maturity in the Rain-On-Snow (ROS) Zone (Refer to item A in the Agreement Memo). If the activity lies within the ROS zone and subbasin will be managed for ROS, fill out the following table. If within ROS zone, but subbasin will not be managed for ROS, describe why in additional information section below.

1. SUB-BASIN NAME	2. TOTAL ROS ACRES (DNR) WITHIN SUB-BASIN	3. HYDRO MATURE TARGET ACRES (2/3 of Column 2)	4. CURRENT DNR SUB-BASIN ACRES IN HYDRO MATURE FOREST IN ROS	5. ACRES OF HYDRO MATURE FOREST TO BE REMOVED	6. SUPRLUS (+) OR DEFICIT (-) ACRES AFTER ACTIVITY
Upper Wallace River Sub-basin 1	1937.9	1291.9	1721.4	97.6	331.9

- ☐ Wetlands Protection, road construction within wetlands or wetland buffers, requires mitigation. (Refer to item B in the Agreement Memo). If this activity will include road construction within a wetland or WMZ, describe the type of wetland, potential loss of wetland function and how and where the loss of function will be mitigated.
- ☐ Harvesting within Forested Wetlands. (Refer to items C & E in the Agreement Memo). Describe the remaining stand characteristics within the wetland and map any forested wetlands greater than 3 acres.
- ☒ Wetland Management Zones. (Refer to item D in the Agreement Memo). Describe the site index and WMZ width. If harvesting within the WMZ, describe the remaining stand characteristics within the WMZ.
- ☒ Riparian Management Zones for Type 1, 2 and 3 Waters (Refer to item F and Appendix 1 in the Agreement Memo). Describe the site index, RMZ width and if a wind buffer was applied. Describe if the RMZ begins from the outer edge of a CMZ or 100-year floodplain and how they were typed.
- ☒ Riparian Management Zones for Type 4 and 5 Waters (Refer to item G and Appendix 1 in the Agreement Memo). Describe any special protection for Type 5 waters.
- ☒ Harvesting or Salvaging within Type 1, 2, 3 and 4 Riparian Management Zones. (Refer to item F-J and Appendix 3 in the Agreement Memo). If harvesting, describe the general

HCP Riparian Forest Restoration Strategy management scenario under which the proposal's riparian stand will be managed. Describe stand treatment including removals, down wood and snag recruitment and type of activities. Describe post-harvest stand; how it meets the management parameters of the general management scenario, what species composition and diameter classes will remain, trees per acre, basal area, relative density. If salvaging, describe how you will be meeting the RDFC conditions, what you will retain and removals and other salvage/restoration conditions described within the Ecosystem Services Section approved site specific restoration plan (and/or attach plan).

Please provide any requested additional information below. If varying from standard HCP guidance, attach concurrence/variance approval from Land Management Division and/or Federal Services and discuss below (e.g. research).

Riparian Management Zones Type 1, 2 and 3 Waters:

No wind buffers are applied to any of the stream buffers based on low susceptibility to wind throw in this area. Low susceptibility was determined by making visual observations of the area and reviewing soil maps of the units.

Riparian Management Zones Type 4 and 5 Waters:

All Type-5 waters will have a 30-foot equipment limitation zone . All trees are to be felled and yarded perpendicular to and away from streams where feasible.

Harvesting or Salvaging within Type 1, 2, 3, and 4 Riparian Management Zones: All RMZs that fall within the boundary of Units 1B and 1C represent areas to be thinned. Buffers will be thinned using the same Nesting Roosting Foraging (NRF) variable density thinning prescription as the rest of those units (more restrictive than a typical RFRS prescription).

See attached table for stream buffer widths and site index.

Forest Practices Application/Notification Addendum
DNR Proprietary HCP, WAC Replacement Summary for Aquatic Resources, 2008
Five West-side Planning Units, Excluding the OESF

Stream Segment Identifier or Wetland Identifier	Water Type or Wetland "forested or open water"	Site Class FP Base Map / Other source	Stream Width (feet) or Wetland Size	Is there a CMZ? Yes or No	Thinning RMZ/WMZ? Yes or No	Total Width of RMZ/WMZ FP width / Actual width (feet)	Wind Buffer? Yes, No (for T-3, 2, 1) or N/A
Stream A-1	5	IV	<2	No	N/A	0/30-foot equipment limitation zone	N/A
Stream A-2	4	IV	>2	No	Yes	50/100	N/A
Stream C-1	5	IV	<2	No	N/A	0/30-foot equipment limitation zone	N/A
Stream C-2	4	IV	>2	No	Yes	50/100	N/A
Stream D	5	IV	<2	No	N/A	0/30-foot equipment limitation zone	N/A
Stream E	5	IV	<2	No	N/A	0/30-foot equipment limitation zone	N/A
Stream F	5	IV	<2	No	N/A	0/30-foot equipment limitation zone	N/A
Stream G	5	IV	<2	No	N/A	0/30-foot equipment limitation zone	N/A
Stream H-1	5	IV	<2	No	N/A	0/30-foot equipment limitation zone	N/A
Stream H-2	3	III	>2	No	Yes	140/162	No
I-1	3	IV	>2	Yes	Yes	110/133	No
I-2	3	III	>2	No	Yes	140/162	No
J	3	IV	>2	Yes	Yes	110/133	
North Fork W.F. River	3	III	>2	No	Yes	140/133	No
Wetland A	Forested	III	0.33 acres	N/A	Yes	0/100	N/A

DNR Trust Forestland HCP Water Typing Key

ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID North Fork of the Wallace Falls River

DATE 8/19/2019

Within your road construction and harvest area, you need to physically review these streams on the ground to determine if they meet the criteria of Type 3 water. Refer to DNR Trust Forestland HCP Water Typing System to determine Type 1 and 2 waters.

1. Were any fish observed in the stream segment, or are fish known to use this stream segment?

☒ Yes. Type 3 stream.

☐ No.

2. Has the stream been surveyed?

☐ Yes. Attach the survey data to the Application/Notification.

☐ No fish. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

☐ Yes. Type 4 stream.

3. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

☐ Yes. Go to question # 4.

☐ No. Type 5 Stream.

4. Is the gradient of the stream segment 16% or less?

(Example: 16' fall in elevation over 100 feet of stream = $16/100 = .16$ or 16%).

☐ Yes. Type 3 stream.

☐ No. Go to question # 5.

5. Is the average gradient of the stream segment greater than 16% and less than or equal to 20%?

☐ Yes. Go to question # 6.

☐ No.. Type 4 stream.

6. Is the contributing basin (watershed) size to the stream segment greater than 50 acres?

☐ Yes. Type 3 stream.

☐ No. . Type 4 stream.

Definitions:

Stream Width: To determine the Ordinary High Water Mark (OHWM) of the stream(s), observe the break between the water influence zone and upland vegetation on the stream bank; this is usually the spring high water mark. Then measure stream width between the OHWMs on either side of the stream at 50 foot intervals along the stream bank for a minimum distance of 500 feet. This determines the average width of the stream. For further information see page M-11 of the board manual.

Stream Gradient: The gradient of a stream is defined as the inclination or rate of fall of a stream bed, expressed as a percentage. The average gradient of a stream is determined by calculating the inclination of individual sub-reaches over a minimum distance of 500 feet along a stream or to a point where distinct gradient changes occur. For further information see page M-14 of the board manual (only use the method for field measurements; do not use the mapping method).

Note: Streams with widths of twenty feet (20') or greater or lakes, ponds, or impoundments having a surface area of 1 acre or greater at seasonal low water, may be type 2 waters.

1-14-08

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DNR Trust Forestland HCP Water Typing Key

ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID H-2, I-1, I-2, J

DATE 8/19/2019

Within your road construction and harvest area, you need to physically review these streams on the ground to determine if they meet the criteria of Type 3 water. Refer to DNR Trust Forestland HCP Water Typing System to determine Type 1 and 2 waters.

1. Were any fish observed in the stream segment, or are fish known to use this stream segment?

 Yes. Type 3 stream.

 X No. Go to question # 2.

2. Has the stream been surveyed?

 Yes. Attach the survey data to the Application/Notification.

 Fish found. Type 3 stream.

 No fish. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

 Yes. Type 4 stream.

 No. Type 5 stream.

 X No. Go to question # 3

3. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

 X Yes. Go to question # 4.

 No. Type 5 Stream.

4. Is the gradient of the stream segment 16% or less?

(Example: 16' fall in elevation over 100 feet of stream = $16/100 = .16$ or 16%).

 X Yes. Type 3 stream.

 No. Go to question # 5.

5. Is the average gradient of the stream segment greater than 16% and less than or equal to 20%?

 Yes. Go to question # 6.

 No.. Type 4 stream.

6. Is the contributing basin (watershed) size to the stream segment greater than 50 acres?

 Yes. Type 3 stream.

 No. . Type 4 stream.

Definitions:

Stream Width: To determine the Ordinary High Water Mark (OHWM) of the stream(s), observe the break between the water influence zone and upland vegetation on the stream bank; this is usually the spring high water mark. Then measure stream width between the OHWMs on either side of the stream at 50 feet intervals along the stream bank for a minimum distance of 500 feet. This determines the average width of the stream. For further information see page M-11 of the board manual.

Stream Gradient: The gradient of a stream is defined as the inclination or rate of fall of a stream bed, expressed as a percentage. The average gradient of a stream is determined by calculating the inclination of individual sub-reaches over a minimum distance of 500 feet along a stream or to a point where distinct gradient changes occur. For further information see page M-14 of the board manual (only use the method for field measurements; do not use the mapping method).

Note: Streams with widths of twenty feet (20') or greater or lakes, ponds, or impoundments having a surface area of 1 acre or greater at seasonal low water, may be type 2 waters.

1-14-08

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DNR Trust Forestland HCP Water Typing Key

ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID A-2, C-2

DATE 8/19/2019

Within your road construction and harvest area, you need to physically review these streams on the ground to determine if they meet the criteria of Type 3 water. Refer to DNR Trust Forestland HCP Water Typing System to determine Type 1 and 2 waters.

1. Were any fish observed in the stream segment, or are fish known to use this stream segment?

 Yes. Type 3 stream.

 X No. Go to question # 2.

2. Has the stream been surveyed?

 X Yes. Attach the survey data to the Application/Notification.

 Fish found. Type 3 stream.

 X No fish. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

 X Yes. Type 4 stream.

 No. Type 5 stream.

 No. Go to question # 3.

3. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

 Yes. Go to question # 4.

 No. Type 5 Stream.

4. Is the gradient of the stream segment 16% or less?

(Example: 16' fall in elevation over 100 feet of stream = $16/100 = .16$ or 16%).

 Yes. Type 3 stream.

 No. Go to question # 5.

5. Is the average gradient of the stream segment greater than 16% and less than or equal to 20%?

 Yes. Go to question # 6.

 No.. Type 4 stream.

6. Is the contributing basin (watershed) size to the stream segment greater than 50 acres?

 Yes. Type 3 stream.

 No. . Type 4 stream.

Definitions:

Stream Width: To determine the Ordinary High Water Mark (OHWM) of the stream(s), observe the break between the water influence zone and upland vegetation on the stream bank; this is usually the spring high water mark. Then measure stream width between the OHWMs on either side of the stream at 50 feet intervals along the stream bank for a minimum distance of 500 feet. This determines the average width of the stream. For further information see page M-11 of the board manual.

Stream Gradient: The gradient of a stream is defined as the inclination or rate of fall of a stream bed, expressed as a percentage. The average gradient of a stream is determined by calculating the inclination of individual sub-reaches over a minimum distance of 500 feet along a stream or to a point where distinct gradient changes occur. For further information see page M-14 of the board manual (only use the method for field measurements; do not use the mapping method).

Note: Streams with widths of twenty feet (20') or greater or lakes, ponds, or impoundments having a surface area of 1 acre or greater at seasonal low water, may be type 2 waters.

1-14-08

2817286



DNR State Land HCP Water Type Modification Form

For more information about the process please see

<http://sharepoint/sites/frc/teams/forestryhandbook/Shared%20Documents/streamupdate.doc>

<http://sharepoint/sites/frc/teams/forestryhandbook/Shared%20Documents/DNR%20FP%20Hydro%20Update%20Flow%20Chart.pdf>

1. **TO CHANGE STATE LANDS WATER TYPE CODE:** Please use this form, with an attached [map](#) (or a map created according to [Forest Practices standards](#)). Submit form and map directly to:

Forest Practices Division
Attn: Chuck Caruthers, Hydro Data Steward.
1111 Washington Street, Olympia, WA
PO Box 47012, 98504-7012

2. **TO ADD, MOVE OR RE-ALIGN A WATER FEATURE:** Please use this form AND the [Forest Practices Water Type Modification Form](#) (FP WTMF). Send the State Land HCP form and map to the Hydro Data Steward at the above address and send the FP WTMF and map to your region office Forest Practices representative.

3. **TO DELETE A WATER FEATURE:** Please use the [Forest Practices Water Type Modification Form](#) (FP WTMF) only. Send form and map to your regional office Forest Practices representative.

<i>Corresponding FP Region Reference Number – OFFICE Use Only:</i>	
1. Water Reference Id (label features on map with this reference id)	Stream A
2. Are you also submitting a Forest Practices WTMF?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Legal Description (¼¼ Section, Township, Range, EW)	SE 1/4 NW 1/4 Section 28 Township 28. Range 9E
4. County	Snohomish
5. Existing State Land Water Type code	--
6. Proposed State Land Water Type code	4
7. Date of Field Visit	5/16/2019
8. The State Land water type break was determined by: <input type="checkbox"/> Stopping at last observed fish <input type="checkbox"/> Stopping at upper extent of fish habitat <input type="checkbox"/> Stopping at end of harvest or property boundary <input checked="" type="checkbox"/> Other – Describe:	Stopped at ¼ mile from start of survey
9. Proponent name	
10. Telephone number	

2817286

02/8/2017 version

Electrofishing Protocol Survey Report
Unnamed Tributary to the North Fork Wallace River
June 25, 2019

Background

The stream of interest (hereafter referred to as "Stream A") was previously mapped in the Washington Forest Practices water type database as a type N stream, without field surveys to substantiate this status. During recent field reconnaissance for the proposed Brushcrasher timber sale, DNR presales forester Sam Woodson identified this stream and measured physical stream channel characteristics for it (see Appendix A for stream profile data). He then requested consultation after determining physical characteristics of a fish-bearing stream located above a natural fish barrier.

An on-site review of this stream on April 29, 2019 confirmed the presence of a natural fish barrier on the stream, as well as the physical parameters of a fish-bearing stream upstream of the barrier. It should be noted that the fish barrier is a 50-foot water fall that drops into the North Fork Wallace River (measured from the base, on the other side of the river). There are no known records of previous surveys on this stream. In March of 2019 the Department of Natural Resources notified Washington Department of Wildlife (WDFW), U.S. Fish and Wildlife Service (USFWS), and fisheries representatives from the Stillaguamish Tribe of Indians and the Tulalip Tribes regarding the intent to conduct an electrofishing survey on this stream.

This stream originates on DNR land in the southwest quarter of Section 21, Township 28 North, Range 09 East, and flows in a generally south/southeastern direction until turning south/southwest and converging with the North Fork Wallace River (as a water fall), on Washington State Park land (Wallace Falls State Park) in Section 28, Township 28 North, Range 09 East. See Figure 1 for a representation of this stream location.

According to WDFW fish distribution GIS data, resident cutthroat and rainbow trout have been documented within the North Fork Wallace River. Neither the WDFW Fish Distribution nor WDFW Salmonid Stock Inventory layers show species-specific fish distributions in Stream A.

The average width of Stream A (in a 1,000-foot stretch of measurement) is seven feet. However, it is notably wider in the lower portion (first 400 feet or so), averaging nine feet in this segment, while averaging four feet in the last ~600 feet. The average slope is approximately 15% (omitting the first three stations above the water fall, which are significantly steeper, 26-40%). Approximately 400 feet upstream from the water fall, where the stream narrows, it also flattens out somewhat, with an average slope of 13%. No qualifying pools were encountered in this stream.

This report is intended to provide supporting documentation for a forest practice application that will be submitted for the proposed Brushcrasher timber sale, which is being developed by DNR's state lands timber sale program. Stream A is located within the proposed timber sale unit, and will be buffered as a Type 4/N stream following the results of this stream survey.

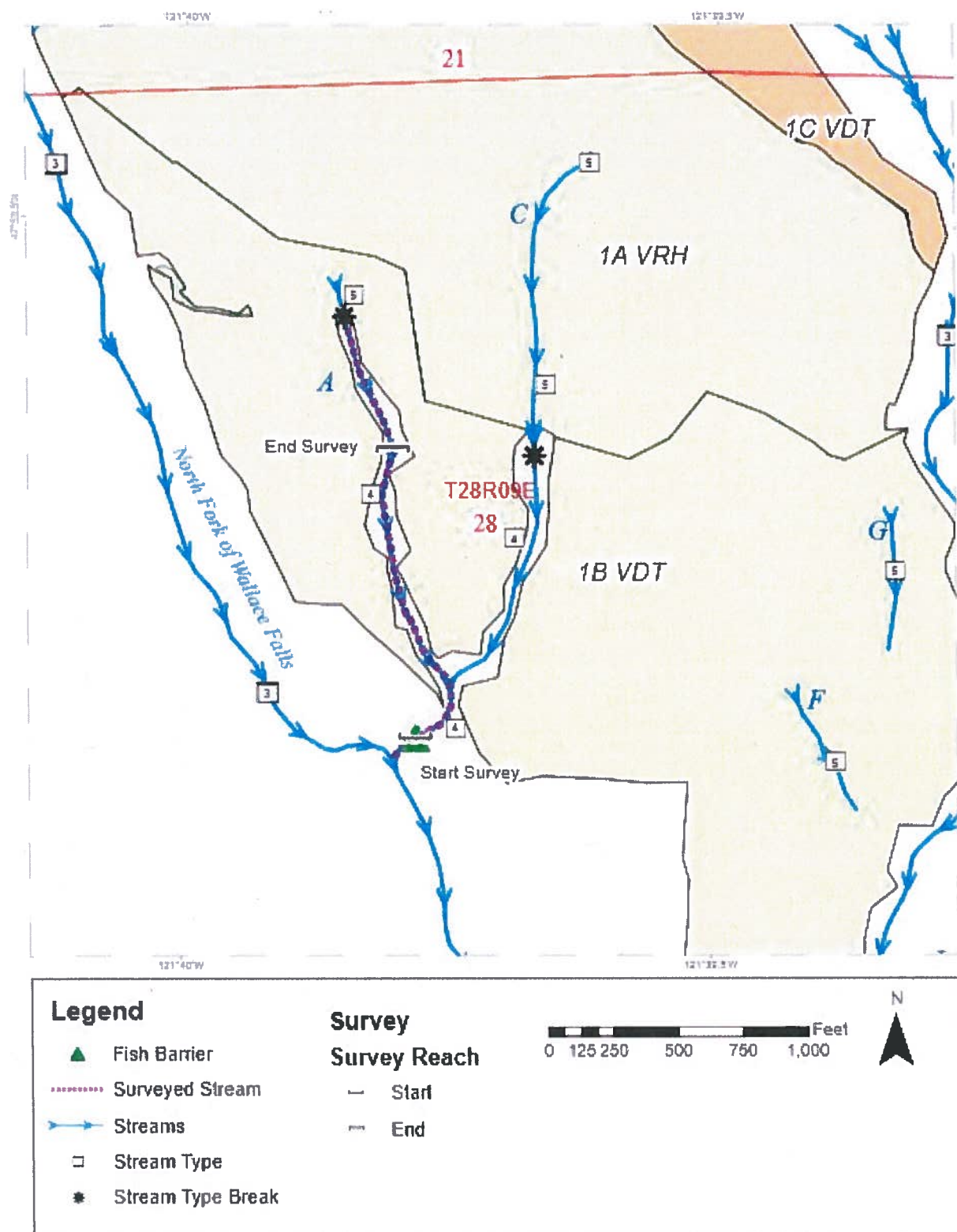


Figure 1. Proposed stream type for an unnamed tributary to the North Fork Wallace River

The electrofishing survey was conducted by DNR Fish & Wildlife Biologist L. Egtvedt on May 7, 2019, with assistance from Sam Woodson and Max Maeder. Electrofishing was conducted by Egtvedt, while Woodson recorded survey data and observations. A Smith-Root LR-20-B backpack electrofisher was used to conduct the surveys, and the electrofisher settings were 400 volts, 30 Hertz, and 15% duty cycle for all of the surveys. Physical stream characteristics data (Appendix A) had been collected prior to the survey.

This stream is not confined, and has moderate to heavy wood loading, with most larger pieces suspended over the stream. The common streambed substrates encountered in the stream were generally pebble and cobble, with more cobble in the lower portion, and more pebble in the upper portion of the segment that was surveyed. In addition, a granule component is present, more predominantly in the upper portion of the segment surveyed, and there are occasional locations with boulders in the streambed.

Electrofishing on Stream A began on at 1130 hrs immediately upstream of the 50-foot water fall. There is not a photo of this feature, due to the lack of a good vantage point, but Figure 2 shows the top of the water fall. Weather conditions were optimal (i.e., sunny with zero cloud cover) throughout the survey. Stream flow and water clarity were optimal for observing fish. Water temperature and conductivity were measured as 10.0°C and 32µS, respectively. The survey effort was terminated at 1330 hrs, after covering a total of 1,320 feet of the stream. All available habitat (including 15 pools, with no “qualifying” pools) was surveyed during 693 seconds of electrofishing effort. Zero fish were observed. Vertebrate species encountered included Pacific giant salamanders (of a variety of sizes/developmental stages), and red-legged frogs, all of which were found throughout the stream survey.

This electrofishing survey followed guidelines provided in the DNR interim water typing rules (WAC 222-16-031), Chapter 13 Forest Practices Board Manual, and WDFW protocol survey guidelines (2007). All electrofishing activities were conducted under the authorization of, and in compliance with, the following permits:

- NOAA National Marine Fisheries Service Section 10(a)(1)(A) Research Permit # 19738
- US Fish & Wildlife Service Native Threatened Species Recovery Permit # TE-81239B
- Washington Department of Fish & Wildlife Scientific Collection Permit # Danilson 18-355



Figure 2. Survey on Stream A began immediately above a 50-foot water fall. Only the top of the fall is pictured here.



Figure 3. Example of unconfined channel, moderate wood loading, pebble & cobble substrate.



Figure 4. Example of cobble/boulder steps encountered during the stream survey.

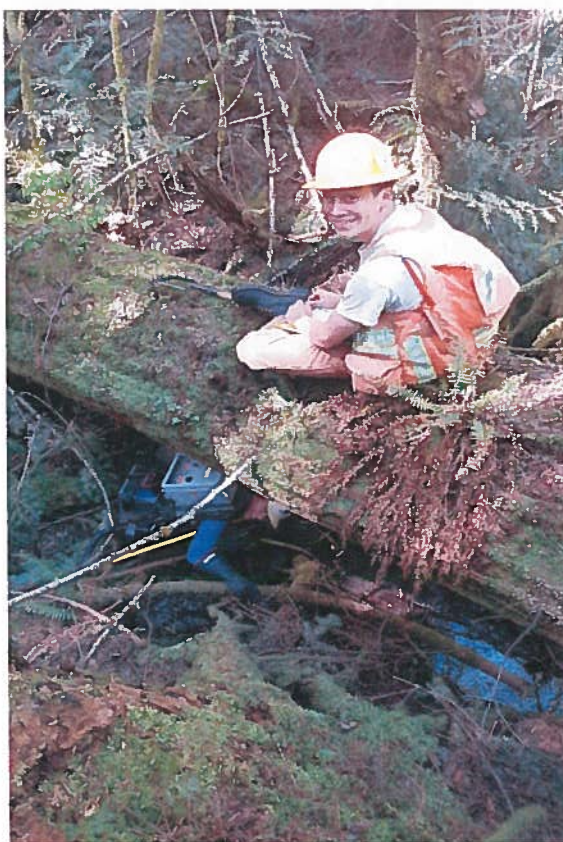


Figure 5. Example of larger/heavier wood loading encountered in places during the stream survey.



Figure 6. A red-legged frog encountered during the stream survey.

Appendix A. Physical characteristics of unnamed "Stream A" in S28 of T28NR09E

Survey Conditions								
Date:			05/07/2019 (1130-1330)					
Survey ID:			Stream A					
Coordinates:			Starting point= 47.88556/-121.662978					
Stream Name:			Unnamed					
Tributary To:			North Fork Wallace River					
Surveyor(s):			L. Egtvedt, S. Woodson, M. Maeder					
Water Temperature:			10.0°C					
Specific Conductivity:			32 µS					
Electrofisher Type/Settings:			Smith-Root LR20-B					
Total Time Electrofishing:			693 seconds					
Total Survey Distance:			1,320 feet					
Total Qualifying Pools:			0					
Total Pools:			15					
Physical Survey Data:								
Water Ref. ID	Distance (feet)	Wetted Channel Width (Feet)	Bankfull Channel Width (Feet)	Slope (%)	High Quality Pool Tally	Total Pool Tally	Substrate Type	Comments
Stream A	00+00	*	8				Cobble, boulder	Start just above 50-foot water fall
				40				
	00+50		9				Cobble, boulder	Stream braids, large pools
				26				
	01+00		11.4				Cobble, pebble	Stream braids
				29				
	01+50		16.7				Cobble, pebble	
				18				
	02+00		10.8				Cobble, pebble	Braided
				19				
	02+50		11.8				Cobble, pebble	*Measurements were recorded as BFW,
				27				but they were essentially
	03+00		11.6				Cobble, pebble	the same as wetted channel
				21				
	03+50		8.7				Cobble, pebble	
				10				Fewer pools
	04+00		3.4				Cobble, pebble	Confl. w/ feeder stream
				15				
	04+50		3.3				Cobble, pebble	
				12				
	05+00		5				Pebble, cobble	
				11				
	05+50		3				Pebble, cobble	
				14				
	06+00		6.1				Granule, pebble	
				16				
	06+50		4				Pebble, granule	Some cobble
				13				
07+00		2.8				Pebble, granule	Some cobble	
			16					
07+50		5				Pebble, granule	Some cobble	
			19					
08+00		4.2				Pebble, granule	Braided	
			12					
08+50		5				Pebble, granule		

Stream A				20				
	09+00		4.1				Pebble, granule	
				15				
	09+50		4.8				Pebble, granule	Extent of stream measurements; electrofishing survey continued to 1,320 feet

DNR Trust Forestland HCP Water Typing Key

ADDENDUM TO INSTRUCTIONS FOR COMPLETING THE FOREST PRACTICE APPLICATION

STREAM(S) ID A-1, C-1, D, E, F, G, H-1

DATE 8/19/2019

Within your road construction and harvest area, you need to physically review these streams on the ground to determine if they meet the criteria of Type 3 water. Refer to DNR Trust Forestland HCP Water Typing System to determine Type 1 and 2 waters.

1. Were any fish observed in the stream segment, or are fish known to use this stream segment?

☐ Yes. Type 3 stream.

☒ No. Go to question # 2.

2. Has the stream been surveyed?

☐ Yes. Attach the survey data to the Application/Notification.

☐ Fish found. Type 3 stream.

☐ No fish. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

☐ Yes. Type 4 stream.

☐ No. Type 5 stream.

☒ No. Go to question # 3.

3. Is the average width of the stream segment two feet (2') or wider between the ordinary high water marks?

☐ Yes. Go to question # 4.

☒ No. Type 5 Stream.

4. Is the gradient of the stream segment 16% or less?

(Example: 16' fall in elevation over 100 feet of stream = $16/100 = .16$ or 16%).

☐ Yes. Type 3 stream.

☐ No. Go to question # 5.

5. Is the average gradient of the stream segment greater than 16% and less than or equal to 20%?

☐ Yes. Go to question # 6.

☐ No.. Type 4 stream.

6. Is the contributing basin (watershed) size to the stream segment greater than 50 acres?

☐ Yes. Type 3 stream.

☐ No. . Type 4 stream.

Definitions:

Stream Width: To determine the Ordinary High Water Mark (OHWM) of the stream(s), observe the break between the water influence zone and upland vegetation on the stream bank; this is usually the spring high water mark. Then measure stream width between the OHWMs on either side of the stream at 50 feet intervals along the stream bank for a minimum distance of 500 feet. This determines the average width of the stream. For further information see page M-11 of the board manual.

Stream Gradient: The gradient of a stream is defined as the inclination or rate of fall of a stream bed, expressed as a percentage. The average gradient of a stream is determined by calculating the inclination of individual sub-reaches over a minimum distance of 500 feet along a stream or to a point where distinct gradient changes occur. For further information see page M-14 of the board manual (only use the method for field measurements; do not use the mapping method).

Note: Streams with widths of twenty feet (20') or greater or lakes, ponds, or impoundments having a surface area of 1 acre or greater at seasonal low water, may be type 2 waters.

1-14-08

2817286

**Forest Practices Application/Notification Addendum DNR
State Trust Lands HCP Implementation Checklist for the
Northern Spotted Owl, 2017 (all HCP planning units & OESF)**

Refer to the DNR State Trust Lands HCP Implementation Agreement for the NSO, 2017.

1. Is the Forest Practice activity within a NRF Management Area?
☒ Yes, Go to #2.
☐ No, Go to #6.
2. Is the Forest Practice activity within a designated 500-acre Nest Patch?
☐ Yes, Harvesting within a nest patch is **inconsistent** with HCP without consultation, refer to Substitution Agreement, Section I.A. **Stop Proposed Activity** or document in Question #17 the specifics of proposal and Forest Resources Division concurrence if intending to proceed. Maintenance of existing roads is permitted, describe road maintenance activity in Question #17. If able to proceed, go to #3.
☒ No, Go to #3.
3. Is the Forest Practice activity within 0.7 miles of a spotted owl nest site (status 1 or 2)?
☐ Yes, Apply timing restrictions; refer to Substitution Agreement, Section I. Go to #4.
☒ No, Go to #4.
4. Is the SOMU where the Forest Practice activity is located above the target amount of 50% NRF habitat?
☐ Yes, Proceed with the activity, ensuring that habitat within the SOMU will not fall below the target amount of 50% and no more than 5% of sub-mature or better habitat within the SOMU is harvested within two years. Please describe in Question #17; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even- age harvest and how many acres or percentage of NRF habitat will remain within the SOMU after harvest. Go to #16.
☒ No, Go to #5.
5. Is the Forest Practice activity within suitable sub-mature habitat or better or "next best"?
☒ Yes, Ensure NRF habitat remains after completion of the harvest activity or that the activity will not increase the length of time for the target amount to reach a suitable habitat condition. Please describe in Question #17, type of activity, how habitat will be maintained or next best stands enhanced and what the final stand condition will be. Go to #16.
☐ No, Ensure that target amount of habitat within the SOMU will not take longer to achieve after activity. Please describe in Question #17 how management activity will maintain and/or achieve the NRF target amount. Go to #16.
6. Is the Forest Practice activity within a Dispersal or DFC Management Area?
☐ Yes, Go to #7.
☐ No, Go to #10.
7. Is the Forest Practice activity within 0.7 miles of a spotted owl nest site (status 1 or 2)?
☐ Yes, Apply timing restrictions; refer to Substitution Agreement, Section I. Go to #8.
☐ No, Go to #8.
8. Is the SOMU where the Forest Practice activity is located, above the target amount of 50% dispersal habitat?
☐ Yes, Proceed with the activity, ensuring that habitat within the SOMU will not fall

below the target amount of 50%. Please describe in Question #17; if the activity will be harvesting habitat or non-habitat, whether it is an enhancement activity or even- age harvest and how many acres or percentage of dispersal habitat will remain within the SOMU after harvest. Go to #16.

☐ No, Go to #9.

9. Is the Forest Practice activity within suitable dispersal habitat or better or “next best”?

☐ Yes, Ensure dispersal habitat remains after completion of the harvest activity or that the activity will not increase the length of time for the target amount to reach a suitable habitat condition. Please describe in Question #17, type of activity, how habitat will be maintained or next best stands enhanced and what the final stand condition will be. Go to #16.

☐ No, Ensure that target amount of habitat within the SOMU will not take longer to achieve after activity. Please describe in Question #17 how management activity will maintain and/or achieve the dispersal target amount. Go to #16.

10. Is the Forest Practice activity located within the OESF?

☐ Yes, Go to #11.

☐ No, Go to #16.

11. Is the Forest Practice Activity within Young Forest Habitat, Old Forest Habitat, or a Pathways Management Candidate Stand?

☐ Yes, Go to #12.

☐ No, Proceed with the activity, Please describe in Question #17; whether it is an enhancement activity or even-age harvest and how many acres. Describe percentage of suitable habitat will remain within the SOMU after harvest. Go to #16.

12. Is the Forest Practice activity in a SOMU in the maintenance and enhancement phase?

☐ Yes, Activity can proceed if it ensures commitments to OESF Forest Land Plan as described within the Substitution Agreement, Section II and that habitat within the SOMU will not fall below the target amount. For Old Forest Habitat both the 20% Old Forest and 40% Young Forest and Better thresholds must be maintained. Active and Passive Pathways Management Candidate Stands are available if thresholds are maintained. Please describe in Question #17 how management activity will maintain habitat thresholds and how any candidate stands will be managed in accordance with the pathway prescription. Go to #16.

☐ No, Go to # 13.

13. Is the Forest Practice activity in Old Forest Habitat in a SOMU that is in the Restoration Phase?

☐ Yes, No harvesting of Old Forest Habitat is allowed during the Restoration Phase.

☐ No, Go to #14.

14. Is the Forest Practice activity a regeneration harvest of Young Forest Habitat in a SOMU that is in the Restoration Phase?

☐ Yes, No regeneration harvest of Young Forest Habitat in a SOMU during the Restoration Phase without consultation with the HCP and Scientific Consultation Section. Describe in #17 how many acres or percentage of suitable habitat will remain within the SOMU after harvest. Document the reasons for harvest of young forest habitat and provide documentation of approval. Go to #16.

☐ No, Go to #15.

15. Is the Forest Practice activity in an Active or Passive Pathways Management Candidate Stand in a SOMU that is in the Restoration Phase?

- ☐ Yes, No harvesting of Passive Pathways Management Candidate Stand is allowed during the Restoration Phase. Active Pathways Management Candidate Stands can only have thinning activities. Please describe in Question # 17 how management activity will maintain habitat thresholds or how thinning activities will enhance habitat. Describe in #17 how many acres or percentage of suitable habitat will remain within the SOMU after harvest.
- ☐ No, Proceed with the activity, if commitments to the OESF Forest Land Plan as described within the Substitution Agreement and the SOMU are maintained and habitat does not fall below the minimum threshold. Please describe in Question # 17 how management activity will maintain habitat thresholds or how thinning activities will enhance habitat. Describe in #17 how many acres or percentage of suitable habitat will remain within the SOMU after harvest. Go to #16.

16. Is the Forest Practice activity located within a Status 1 or 2 spotted owl management circle based on the WDFW database?

- ☐ Yes, Apply harvest timing restrictions to activities within the best 70-acre core around the site center; refer to Substitution Agreement, Section III. Include location of best 70-acre core on Forest Practices Map. Go to #17.
- ☒ No, Go to #17.

17. Provide any additional information or details requested from previous questions on the following lines. If no additional information is required, simply state "not applicable" below. Otherwise, include the SOMU name(s) when necessary if activity is within NRF or dispersal management areas or OESF and how habitat will be maintained or enhanced, etc. If varying from standard HCP guidance, attach concurrence/variance approval from Land Management Division and/or Federal Services and discuss below.

End checklist.

Units 1B and 1C are NRF thinnings. The thinning treatment is expected to accelerate the stand to sub-mature habitat conditions or better, faster than through no management.

**Forest Practices Application/Notification Addendum
DNR Trust Lands HCP Implementation Checklist for the Marbled Murrelet, 2014
North Puget Planning Unit Only**

Refer to the DNR Trust Lands HCP Implementation Summary for the Marbled Murrelet, 2014 and North Puget Planning Unit (NPPU) memos dated 02/23/2007 and 06/12/2009. Marbled Murrelet GIS habitat and occupied site delineation is available at on the Quick Data Loader and State Uplands Viewing Tool titled "State Lands – Marbled Murrelet – HCP Policy".

1. Is the proposed Forest Practices activity within potential habitat, occupied site, Criteria 3 newly identified habitat or suitable habitat not available for release¹?
 - ☐ Yes, proposal is **inconsistent** with current HCP strategy. **Stop Proposed Activity** or document in Question #6 specifics of proposal and Forest Resources Division approval if intending to proceed.
 - ☒ No, not within suitable habitat not available for release, potential, occupied, or Criteria 3 newly identified habitat. Go to Question #2.

2. Is the proposed activity within releasable¹ suitable habitat according to the NPPU memo (dated 6/12/2009)?
 - ☐ Yes, document in Question #6 the WAU name, **total** suitable MM habitat acres allowed to be harvested within the WAU and the **total** acres to date of suitable MM habitat harvested within the WAU after this proposed harvest. Go to Question #3.
 - ☒ No, proposal is not within releasable suitable habitat. Go to Question #3.

3. Is the proposed activity located within unsurveyed Criteria 1 newly identified habitat that is within 0.25 miles of an occupied site, or unsurveyed Criteria 2 newly identified habitat?
 - ☐ Yes, proposal is **inconsistent** with the current HCP strategy. **Stop Proposed Activity** or document in Question #6 specifics of proposal and Forest Resources Division approval if intending to proceed.
 - ☒ No, go to Question #4.

¹ Some suitable habitat may be available for harvest (releasable) if 50% of the habitat will remain within the WAU and it is greater than 0.5 miles from an occupied site and identified per NPPU memo dated 6/12/2009. Criteria 1 habitat is: Habitat ≥ 5 acres but ≤ 10 acres with ≤ 10 platforms per acre OR Habitat > 10 acres but ≤ 20 acres with ≤ 5 platforms per acre. Criteria 2 habitat is: Habitat ≥ 5 acres but ≤ 10 acres with > 10 platforms per acre OR Habitat > 10 acres but ≤ 20 acres with > 5 platforms per acre OR Habitat > 20 acres with ≤ 15 platforms per acre. Criteria 3 is: Habitat ≥ 20 acres with >15 platforms per acre.

4. Is the proposed activity located within surveyed and unoccupied Criteria 1 or 2 newly identified habitat, or unsurveyed Criteria 1 that is greater than 0.25 miles from an occupied site and is the activity only for operational access (roads or yarding corridors) through this habitat type?
- ☐ Yes, proposal is consistent with the current HCP. Timing restrictions are applied when operating within this habitat and remaining habitat is deferred from harvest. Consult with Region biologist/specialist for recommendations on minimizing platform tree removal. Document in Question #6 the type of operational access, but first go to Question #5.
- ☒ No, go to Question #5.
5. Is the proposed harvest activity within ¼ mile of any marbled murrelet occupied site(s), Criteria 3 newly identified habitat or unsurveyed suitable MM habitat²?
- ☐ Yes, consult with Region biologist/specialist for recommendations on buffers and timing restrictions. Go to Question #6 and document type of buffer of occupied site or suitable habitat.
- ☒ No, proceed with activity; go to Question #6 if any documentation is required.
6. This question or section is for additional information the checklist suggested you provide in previous questions or any additional information you think is relevant to the proposal. If you were able to answer the previous questions without a "Stop Proposed Activity" notification then your proposal is consistent with the HCP and may proceed. Otherwise, more documentation is required here. If varying from current HCP guidance, attach consultation agreement from Forest Resources Division and/or USFWS and discuss below.

Does not apply.

² "Unsurveyed suitable habitat" refers to potential habitat identified per the NPPU 2007 memo that has been field verified as suitable, but not yet surveyed.

August 22, 2019

TO: Sam Woodson, Forester

FROM: Lisa Egtvedt, Wildlife Biologist

SUBJECT: Wildlife Review of the Proposed Brushcrasher Timber Sale

This memo serves as documentation of a region biologist review of the proposed Brushcrasher Timber Sale in sections 21 and 28 of Township 28 North, Range 9 East. This proposal is immediately adjacent to Wallace Falls State Park, which is located to the west and southwest of the proposal. The proposal is comprised of three sub-units, two of which will involve variable density thinning (VDT) in stands that are designated as "Next Best" for Nesting Roosting Foraging (NRF) habitat management for the northern spotted owl (Units 1B and 1C), and one of which will involve variable retention harvest (VRH) in a "non-habitat" stand (Unit 1A). There will also be thinning in parts of the Riparian Management Zones, following NRF guidelines, while also incorporating some Riparian Forest Restoration Strategy (RFRS) guidelines (for snag and down wood recruitment). The stands are approximately 55-70+ years old.

On April 29, 2019 I conducted a field review of the proposal, accompanied by Sam Woodson (lead presales forester for the proposal). The purposes of this review were to verify the marbled murrelet habitat delineation that was conducted by Sam (who has been trained to conduct such delineation), to assess the general site conditions for the potential to implement a habitat enhancement activity in the NRF Next Best stands, and to provide input for the leave tree strategy for the area to be VRH harvested.

An electrofishing survey was conducted for one of the streams associated with the proposal on May 7, 2019. I was accompanied by Sam Woodson and Max Maeder for this survey. Please see the report titled "Electrofishing Protocol Survey Report, Unnamed Tributary to the North Fork Wallace River" for more information regarding these surveys and the results.

Based on the site visits, consultation with the forester, and a GIS review, I have the following input:

- At the time of the initial field review, it was determined that a "thinning from below", with some "skips and gaps" would likely be the most appropriate habitat enhancement prescription for the VDT stands, and that has indeed become the preferred approach since then. The prescription is slightly different between Units 1B and 1C, due to a difference in stand composition, but the general approach is similar. Skips and gaps have been marked in Unit 1B, but not in Unit 1C (which is a relatively narrow sub-unit). The total acreage of skips and gaps (combined) is approximately 15 acres, which is just under the 15% target recommended in the "Thinning Forest Stands, East- and Westside" pamphlet. There are two relatively large skips (approximately 2.5 and 6.6 acres in size), and 20 small gaps distributed relatively evenly throughout Unit 1B. The larger skip was marked in order to protect a 2 to 2.5 acre patch containing old-growth remnant trees, as well as a cliff. The gaps range in size from 0.15 to 0.48 acre, with most around 0.20-0.30 acre.

- NRF habitat enhancement in Units 1B and 1C is likely to progress the stands toward suitable habitat conditions considerably sooner than most “Next Best” stands will achieve this goal, due to the fact that this area does not lack the two key features that are typically the limiting factor for reaching “suitable habitat” metrics: snags and large down wood. There is an especially notable amount of down wood, including a variety of sizes, species, and decay classes.
- None of the sub-units or adjacent stands contain suitable marbled murrelet habitat. There are eight scattered platform trees (PFTs) in Unit 1B that do not comprise a suitable habitat block. Six of these PFTs are located within the larger “skip”, and two are in the VDT part of the unit (with one actually located in a planned “gap”). It should be noted that the latter two are of a lower quality (22-24” dbh DF trees with a forked top and a broken top). In addition, the PFT that is in the VDT portion has a dbh that is larger than what will be removed by the thinning prescription, so it should remain on site following the thinning harvest activity. There is one additional PFT that is nearby, just outside of the unit, near the stream that is located to the east of the unit.
- As mentioned above, there is a 2 to 2.5-acre area containing old-growth remnant trees, which is located in the southwest portion of Unit 1B. This patch is not considered to be an old-growth *stand* per the Old-Growth Timber Harvest Deferral and Protection (Westside) Procedure, PR 14-004-045, as it is less than five acres in size. However, it still represents an uncommon habitat, which is why it was included in one of the “skips” in the NRF enhancement prescription. In addition, there are seven to eight old-growth remnant trees that are just outside of this skip. These trees have been painted as non-tradable leave trees within the VDT sub-unit.
- The primary features that were recommended to target for leave tree areas (LTAs) in the VRH portion of the proposal (Unit 1A) included snags and large down wood (or LWD, for large woody debris). I have been informed that a number of the LTAs have been placed to protect/retain snags and LWD. Other special features that have been targeted with the LTAs include structurally unique cedar trees, large DF trees, and small wet areas (that are not large enough to be protected as wetlands).
- A cluster of “legacy” cedar snags was observed within Unit 1A. Some of these are hollow, but with relatively solid shells, except for burn at the base that has resulted in the bases being a little more “crumbly” than is typical for such legacy snags. No LTAs were placed around any of these snags, but some of them may still remain on site if the operators determine that it would be safer to operate around them than to fall them.
- Cedar salvage was considered for the VRH portion of the proposal, but was intentionally excluded from this proposal. This decision was in part due to the fact that the proposal is located in a designated NRF Management Area, where retention of large down wood is a significant aspect of the strategy to develop suitable spotted owl habitat.

General Proposal Area

Following a GIS review of WDFW and DNR wildlife & habitat databases, it was determined:

- The nearest known occupied marbled murrelet site is located approximately 2.5 miles to the northeast of the proposal. Due to this distance, there is no need for mitigation measures for marbled murrelets in association with this proposal.
- According to the most current Marbled Murrelet Long-Term Conservation Strategy (MM LTCS) GIS layers, the proposal is in p-stage 0 (per Alternative H, the Preferred Alternative). There are no Special Habitat Areas proposed in the vicinity of the proposal.
- A northern goshawk nest was found to be active in 2014 just over ¼ mile to the southeast of the proposal. Due to disturbance that occurred during the following breeding season (early spring 2015), this site was apparently abandoned, and has not been found to be active since then. Surveys (dawn acoustical and broadcast calling) have been conducted in the original nest stand, as well as in surrounding stands, with only a brief vocal detection in the spring of 2015, and no detections during subsequent surveys in 2015 and 2016. Due to the proximity of the proposed Brushcrasher timber sale, I conducted dawn acoustical surveys in the vicinity of the proposal in early spring 2019 as a precautionary measure. There were no detections of goshawks. I also instructed Sam to be on the lookout for potential signs of goshawk activity within the proposal, and none have been encountered during extensive field reconnaissance.
- There are cliffs that are documented in the WDFW database approximately 350 to 400 feet to the northeast of the proposal. These are located far enough away that they do not require any mitigation measures in association with the proposal.
- There is mountain goat winter and transition range located approximately ¾ mile to the southeast and continuing further to the southeast, but there are no management implications for it in association with the proposal.

Besides those mentioned above, no other occurrences of habitats or species of concern are reported within or near the proposal area.

Thank you for the opportunity to review and provide input for this proposal.



Forest Practices Application/Notification
Notice of Decision

FPA/N No: 2817286
Effective Date: 12/11/2019
Expiration Date: 12/11/2022
Shut Down Zone: 658
EARR Tax Credit: ☒ Eligible ☐ Non-eligible
Reference: Brushcrasher

Decision

- ☐ **Notification** Operations shall not begin before the effective date.
☒ **Approved** This Forest Practices Application is subject to the conditions listed below.
☐ **Disapproved** This Forest Practices Application is disapproved for the reasons listed below.
☐ **Closed** Applicant has withdrawn FPA/N.

FPA/N Classification

☐ Class II ☒ Class III ☐ Class IVG ☐ Class IVS

Number of Years Granted on Multi-Year Request

☐ 4 years ☐ 5 years

Conditions on Approval / Reasons for Disapproval

No additional conditions.

FOR YOUR INFORMATION:

Please notify DNR Northwest Region Office (360-856-3500) 48 business hours before commencing timber harvest operations.
Please provide the application number and legal description for your operation.

Issued By: Steven Huang *SH* Region: Northwest

Title: Skykomish Forest Practice Forester Date: 12/11/2019

Copies to: ☒ Landowner, Timber Owner and Operator.

Issued in person: ☒ Landowner ☐ Timber Owner ☐ Operator By: *L. Utzinger*

Appeal Information

You have thirty (30) days to appeal this Decision and any related State Environmental Policy Act determinations to the Pollution Control Hearings Board in writing at the following addresses:

Physical address: 1111 Israel Rd. SW, Ste 301, Tumwater, WA 98501

Mailing address: P.O. BOX 40903, OLYMPIA, WA 98504-0903

Information regarding the Pollution Control Hearings Board can be found at: <http://www.eluho.wa.gov/>

At the same time you file an appeal with the Pollution Control Hearings Board, also send a copy of the appeal to the Department of Natural Resources' region office and the Office of the Attorney General at the following addresses:

Office of the Attorney General
Natural Resources Division
1125 Washington Street SE
PO Box 40100
Olympia, WA 98504-0100

And

Department Of Natural Resources
Northwest Region
919 N Township St
Sedro-Woolley WA 98284

Other Applicable Laws

Operating as described in this application/notification does not ensure compliance with the Endangered Species Act, or other federal, state, or local laws.

Transfer of Forest Practices Application/Notification (WAC 222-20-010)

Use the "Notice of Transfer of Approved Forest Practices Application/Notification" form. This form is available at region offices and on the Forest Practices website: <http://www.dnr.wa.gov/businesspermits/forestpractices>.

Notify DNR of new Operators within 48 hours.

Continuing Forest Land Obligations (RCW 76.09.060, RCW 76.09.070, RCW 76.09.390, and WAC 222-20-055)

Obligations include reforestation, road maintenance and abandonment plans, conversions of forest land to non-forestry use and/or harvest strategies on perennial non-fish habitat (Type Np) waters in Eastern Washington.

Before the sale or transfer of land or perpetual timber rights subject to continuing forest land obligations, the seller must notify the buyer of such an obligation on a form titled "Notice of Continuing Forest Land Obligation". The seller and buyer must both sign the "Notice of Continuing Forest Land Obligation" form and send it to the DNR Region Office for retention. This form is available at DNR region offices.

If the seller fails to notify the buyer about the continuing forest land obligation, the seller must pay the buyer's costs related to continuing forest land obligations, including all legal costs and reasonable attorneys' fees incurred by the buyer in enforcing the continuing forest land obligation against the seller.

Failure by the seller to send the required notice to the DNR at the time of sale will be prima facie evidence in an action by the buyer against the seller for costs related to the continuing forest land obligation prior to sale.

DNR affidavit of mailing:

On this day _____, I placed in the United States mail at _____ Sedro-Woolley _____, WA,
(date) (post office location)
postage paid, a true and accurate copy of this document. Notice of Decision FPA # _____
_____ L Utgard _____
(Printed name) (Signature)



FPA/N No: 2817286

Date of Service: 03/17/2020

Request to Amend
Forest Practices Application/Notification

Reference: Brushcrasher

DNR's Decision

Decision

- ☒ **Approved** This request for an amendment is approved and subject to the conditions listed below
- ☐ **Disapproved** This request for an amendment is disapproved for the reasons listed below

Conditions on Approval/Reasons for Disapproval

Appeal Information (RCW 76.09.090(3), WAC 222-46-030(4), and WAC 332-08-215(3))

The Landowner, Timber Owner, or Operator has 15 calendar days from the Date of Service to request a Brief Adjudicative Proceeding for this amendment which is a Notice to Comply for an authorized deviation. Appeal requests must:

- Be in writing
- Include signature(s)
- Include the factual basis for the appeal and the issue to be adjudicated
- Sent to the Region Office at Sedro-Woolley WA
- With a copy sent to the Department of Natural Resources, Forest Practices Division, PO Box 47012, Olympia, WA 98504-7012

Issued By: Steven Huang

 Title: Skykomish Forest Practice Forester

Copies Sent To: Landowner (via US Mail), Timber Owner (via US Mail), Operator (via US Mail), WDFW, ECY, Affected Indian Tribes, LGE, other _____

Emailed 3-19-2020

DNR affidavit of mailing:

On this day <u>3-13-2020</u> , I placed in the United States mail at _____, WA, (date) <u>hand delivered</u> (post office location)
postage paid , a true and accurate copy of this Amendment Request Notice of Decision for FPA # _____
<u>L. Hyslop</u> (Printed name)
<u>[Signature]</u> (Signature)



WASHINGTON STATE DEPT OF
**NATURAL
RESOURCES**

**Request to Amend Forest Practices
Application/Notification**

For DNR Region Office Use Only

Region: NW

Use this to request an amendment to an approved Western Washington, Eastern Washington, or Aerial Chemical Applications/Notifications

TYPE OR PRINT IN INK:

1. Landowner, Timber Owner, and Operator information

<u>Legal Name of LANDOWNER</u> Department of Natural Resources	<u>Legal Name of TIMBER OWNER</u> Same as Landowner	<u>Legal Name of OPERATOR</u> Same as Landowner
Mailing Address: 919 N Township Street	Mailing Address:	Mailing Address:
City, State, Zip Sedro-Woolley, WA 98284	City, State, Zip	City, State, Zip
Phone (360) 856-3500	Phone ()	Phone ()
Email:	Email:	Email:

2. Approved FPA/N Number 2817286

3. Describe the proposed amendment to the original FPA/N. You can attach revised pages of an FPA/N, or give specific details. Include a new Activity Map if you are proposing any changes to the original.

Update to Question #15. Suspending Cables over Type 3 (F) Water was inadvertently left unchecked.

4. I affirm that the information contained herein is true, and understand that this proposed forest practice is subject to the Forest Practices Act and Rules, as well as all other federal, state or local regulations. Compliance with the Forest Practices Act and Rules does not ensure compliance with the Endangered Species Act or other federal, state or local laws. I understand this amendment is a request for a Notice to Comply for an authorized deviation as described in WAC 222-20-060.

5.

Annette Newman

Landowner's Signature

3/12/2020

Date

Crossing Identifier (letter, number)	Water Type (S, F, Np, Ns)	*Existing HPA Number (if applicable)	HPA Expiration Date (if applicable)	Planned Activity (install, replace, remove, temporary, structure maintenance)	Structure (bridge, ford/equipment crossing** punchon/fill, arch, pipe arch, round culvert, other)	Proposed Size (width x length) (inches x feet)	Culvert Design Method (no-slope, stream-sim, hydraulic, other) (F and S only)	Channel Bed Width (ft) (F and S only)	Stream Gradient (%) (F and S only)	Is this an RMAP Project?

See FPA Narrative

*Existing HPAs issued by WDFW will be complied and enforced by WDFW until expiration. Plan details are not required for hydraulic projects permitted with an existing HPA (see instructions).

**Fords and/or equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain threatened or endangered fish species. For more information, see 'Background for the State's Incidental Take Permits for certain threatened and endangered fish species' following Question 22 of the FPA/N Instructions.

15. If conducting any of the following activities in or over typed Water(s), complete the table below. Some activities will require identifiers on the Activity Map and/or more information in Question 28. See instructions.

*Activity	Type S Water	Type F Water	Type Np Water	Type Ns Water
Equipment Crossing**	PROVIDE DETAILS IN QUESTION 14		✓	✓
Suspending Cables		✓	✓	✓
Cable Yarding			✓	✓
LWD Placement/Removal				
Beaver Dam Removal				
Felling and Bucking			✓	✓
Other (describe in Question 28)				

*Existing HPAs issued by WDFW will be complied and enforced by WDFW until expiration. Plan details are not required for hydraulic projects permitted with an existing HPA (see instructions).

** Fords and/or equipment crossings on Type S and F Waters must be identified in Question 14.

16. If constructing or abandoning forest roads, complete the table below. Show the road locations and identifiers on the Activity Map. Include abandonment plans for all temporary roads and abandonment projects.

Road Identifier (name, number)	Road Construction		Road Abandonment	
	Length (feet)	Steepest Side-slope (%)	Length (feet)	Abandonment Date (MM/YYYY)
Total	9,958	50	7,718	04/2022

See FPA Narrative



FPA/N No: 2817286

Date of Service: 5-19-2020

Request to Amend
Forest Practices Application/Notification

Reference: Brushcrasher

DNR's Decision

Decision

☒ **Approved** This request for an amendment is approved and subject to the conditions listed below

☐ **Disapproved** This request for an amendment is disapproved for the reasons listed below

Conditions on Approval/Reasons for Disapproval

Appeal Information (RCW 76.09.090(3), WAC 222-46-030(4), and WAC 332-08-215(3))

The Landowner, Timber Owner, or Operator has 15 calendar days from the Date of Service to request a Brief Adjudicative Proceeding for this **amendment which is a Notice to Comply for an authorized deviation**. Appeal requests must:

- Be in writing
- Include signature(s)
- Include the factual basis for the appeal and the issue to be adjudicated
- Sent to the Region Office at Sedro-Woolley
- With a copy sent to the Department of Natural Resources, Forest Practices Division, PO Box 47012, Olympia, WA 98504-7012

A handwritten signature in black ink, appearing to read "Steven Huang".

Issued By: Steven Huang

Title: Skykomish Forest Practice Forester

Copies Sent To: Landowner (via US Mail), Timber Owner (via US Mail), Operator (via US Mail), WDFW, ECY, Affected Indian Tribes, LGE, other _____

DNR affidavit of mailing:

E-Mailed by L Utgard

On this day 5-19-2020, I placed in the United States mail at _____, WA,
(date) (post office location)
postage paid, a true and accurate copy of this Amendment Request Notice of Decision for FPA # 2817286

(Printed name)

(Signature)



WASHINGTON STATE DEPT OF
**NATURAL
RESOURCES**

**Request to Amend Forest Practices
Application/Notification**

For DNR Region Office Use Only

Region:

NW

Use this to request an amendment to an approved Western Washington, Eastern Washington, or Aerial Chemical Applications/Notifications

TYPE OR PRINT IN INK:

1. Landowner, Timber Owner, and Operator information

<u>Legal Name of LANDOWNER</u> Dept. of Natural Resources	<u>Legal Name of TIMBER OWNER</u>	<u>Legal Name of OPERATOR</u>
Mailing Address: 919 N. Township St.	Mailing Address:	Mailing Address:
City, State, Zip Sedro- Woolley, WA 98274	City, State, Zip	City, State, Zip
Phone (360) 856-3500	Phone ()	Phone ()
Email:	Email:	Email:

2. Approved FPA/N Number 2817286

3. Describe the proposed amendment to the original FPA/N. You can attach revised pages of an FPA/N, or give specific details. Include a new Activity Map if you are proposing any changes to the original.

The proposal (Brushcrasher Timber Sale) consists of 1 unit of 209.3 acres, which is categorized as even-aged. The unit is collectively labelled 1A, 1B, 1C on the Activity Map, but these are all part of Unit 1. The sub areas just clarify "where" in the proposal something is located since the proposal area is broad.

The portion of the proposal located in the area labelled 1C shall now include Variable Retention Harvested (VRH) in the area highlighted in pink on the attached Forest Practices Activity Map. This area was formerly to be thinned.

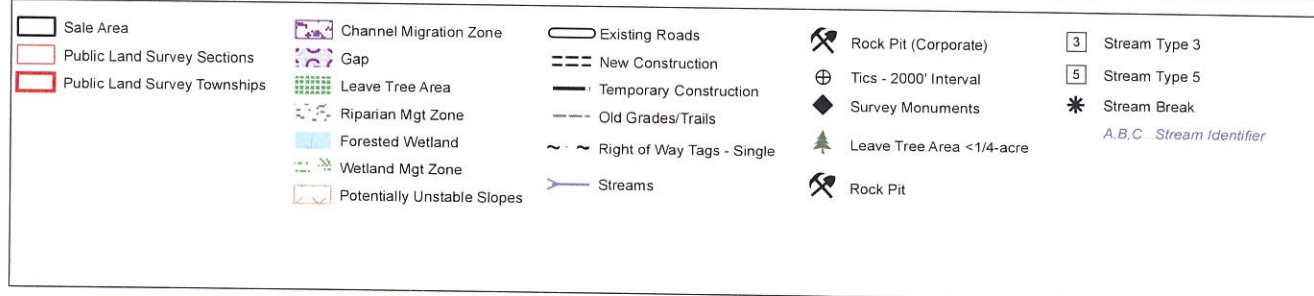
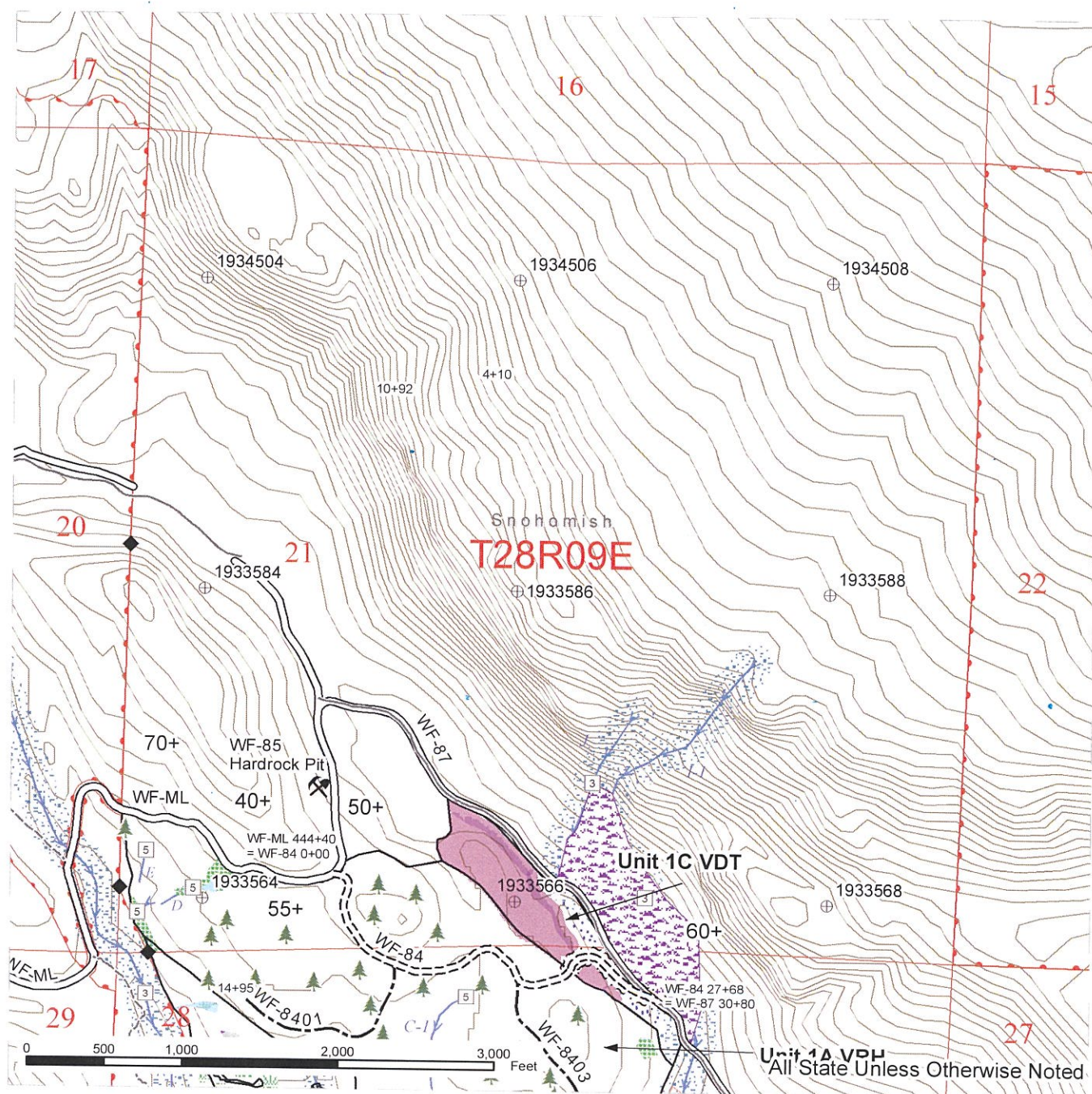
The proposed overall change in the proposal is to reduce the original 101.4 acres of thinning within the 209.3-acre proposal by 8.2 acres changing these acres to variable retention harvest acres with a marked leave tree area to ensure an average of 8 trees per acre remain in the area. The new thinning acreage in the proposal would be 93.2 acres of thinning. The proposal harvest area and footprint remains the same. This change will result in the additional harvest of approximately 130 MBF of timber.

4. I affirm that the information contained herein is true, and understand that this proposed forest practice is subject to the Forest Practices Act and Rules, as well as all other federal, state or local regulations. Compliance with the Forest Practices Act and Rules does not ensure compliance with the Endangered Species Act or other federal, state or local laws. I understand this amendment is a request for a Notice to Comply for an authorized deviation as described in WAC 222-20-060.

5. Annexa Masman for John Morn
Landowner's Signature

5/19/2020
Date

COUNTY(S): Snohomish
TOWNSHIP(S): T28R9E



Revisions to FPA/N____2817286

[illegible]



Forest Practices Application/Notification
NOTICE OF TRANSFER

I/we transfer my/our rights, privileges, and obligations under this approved Forest Practices Application or Notification. I/we affirm that the information contained below is true and agree to comply with the rules authorized by the Forest Practices Act and be bound by all conditions on the approved application or notification.

30-098288 BRUSHCRASHER VRH VDT RMZ WMZ

FPA/N Number: 2817286 Section(s): 21,28 Township: 28N Range: 09E

Original Landowner (Signature): Courtney Coleman

Original Landowner (Printed): CORTNEY COLEMAN Date: 5 / 20 / 2020

New Operator – Complete this section only if you are:

☐ **Changing** an operator for: ☐ Road construction ☐ Timber harvest ☐ Aerial spray
☒ **Adding** an operator for: ☒ Road construction ☒ Timber harvest ☐ Aerial spray

Legal Name of New Operator: (Print)

SIERRA PACIFIC INDUSTRIES

Mailing Address:

14353 MCFARLAND ROAD
MOUNT VERNON, WA 98273

Phone: 360-520-1148

Email:

New Operator Signature: Alex Elbert Date: 4/16/2020

New Landowner – Complete this section only if you are transferring your FPA to a new landowner

☐ No ☐ Yes Are you a small forest landowner per RCW 76.09.450 (if yes, continue to question below)
☐ No ☐ Yes Is your entire proposed harvest area on a single contiguous ownership consisting of one or more parcel(s)?

Legal Name of New Landowner: (Print)

Mailing Address:

Phone:

Email:

New Landowner Signature: _____ Date: _____

New Timber Owner – Complete this section only if you are transferring your timber rights

Legal Name of Timber Owner: (Print)

Mailing Address:

SIERRA PACIFIC INDUSTRIES

14353 MCFARLAND ROAD
MOUNT VERNON, WA 98273

Phone: 360-520-1148

Email:

Forest Tax Reporting Account Number: (Contact Dept. of Revenue at: 1-800-548-8829)

800 059 489

New Timber Owner Signature: Alex Elbert Date: 4/16/2020

☒ Received by: B. [Signature] Date: 5 / 28 / 20

(DNR Forest Practices Staff Signature) 11/01/2017

Revisions to FPA/N____2817286

[illegible]



**Forest Practices Application/Notification
NOTICE OF TRANSFER**

I/we transfer my/our rights, privileges, and obligations under this approved Forest Practices Application or Notification. I/we affirm that the information contained below is true and agree to comply with the rules authorized by the Forest Practices Act and be bound by all conditions on the approved application or notification.

FPA/N Number: 2817286 Section(s): 21/28 Township: 28N Range: 9E

Original Landowner (Signature): Cortney Coleman

Original Landowner (Printed): CORTNEY COLEMAN Date: 6/11/2020

New Operator – Complete this section only if you are:

☒ Changing an operator for: ☒ Road construction ☒ Timber harvest ☐ Aerial spray
☐ Adding an operator for: ☐ Road construction ☐ Timber harvest ☐ Aerial spray

Legal Name of New Operator: (Print)

Nielsen Bros, Inc.

Phone: 360-671-8078

Email: david.nielsen@comcast.net

Mailing Address:

100 Pine St
Bellingham, WA 98225

New Operator Signature: David R Nielsen

Date: 5/19/2020

New Landowner – Complete this section only if you are transferring your FPA to a new landowner

☐ No ☐ Yes Are you a small forest landowner per RCW 76.09.450 (if yes, continue to question below)
☐ No ☐ Yes Is your entire proposed harvest area on a single contiguous ownership consisting of one or more parcel(s)?

Legal Name of New Landowner: (Print)

Mailing Address:

Phone:

Email:

Date:

New Landowner Signature:

New Timber Owner – Complete this section only if you are transferring your timber rights

Legal Name of Timber Owner: (Print)

Mailing Address:

Phone:

Email:

Forest Tax Reporting Account Number: (Contact Dept. of Revenue at: 1-800-548-8829)

Date:

New Timber Owner Signature:

☒ Received by: Bea Cole

Date: 6/19/20

(DNR Forest Practices Staff Signature) 11/01/2017

Revisions to FPA/N _____2817286

[illegible]



Clear Form

Forest Practices Application/Notification NOTICE OF TRANSFER

I/we transfer my/our rights, privileges, and obligations under this approved Forest Practices Application or Notification. I/we affirm that the information contained below is true and agree to comply with the rules authorized by the Forest Practices Act and be bound by all conditions on the approved application or notification. Brushcrasher

FPA/N Number: 2817286 Section(s): 1 Township: 28N Range: 08E

Original Landowner (Signature): Courtney Coleman

Original Landowner (Printed): COURTNEY COLEMAN Date: 12 / 22 / 2020

New Operator – Complete this section **only** if you are:

☐ **Changing** an operator for: ☐ Road construction ☐ Timber harvest ☐ Aerial spray
☒ **Adding** an operator for: ☐ Road construction ☒ Timber harvest ☐ Aerial spray

Legal Name of New Operator: (Print)

TD Wood Recovery

Phone: 425-501-7836

Email: tdwoodrecovery@frontier.com

Mailing Address:

3588 Colony Mountain Dr
Bow, WA 98232

New Operator Signature: [Signature] Date: 11-30-20

New Landowner – Complete this section **only** if you are transferring your FPA to a new landowner

☐ No ☐ Yes Are you a small forest landowner per RCW 76.09.450 (if yes, continue to question below)
☐ No ☐ Yes Is your entire proposed harvest area on a single contiguous ownership consisting of one or more parcel(s)?

Legal Name of New Landowner: (Print)

Mailing Address:

Phone:

Email:

Date:

New Landowner Signature:

New Timber Owner – Complete this section **only** if you are transferring your timber rights

Legal Name of Timber Owner: (Print)

Mailing Address:

Phone:

Email:

Forest Tax Reporting Account Number: (Contact Dept. of Revenue at: 1-800-548-8829)

Date:

New Timber Owner Signature:

☒ Received by: [Signature] Date: 1 / 21 / 21

(DNR Forest Practices Staff Signature) 11/01/2017

[illegible]



RECEIVED
JAN 28 2022

NW REGION

Forest Practices Application/Notification
NOTICE OF TRANSFER

I/we transfer my/our rights, privileges, and obligations under this approved Forest Practices Application or Notification. I/we affirm that the information contained below is true and agree to comply with the rules authorized by the Forest Practices Act and be bound by all conditions on the approved application or notification.

30-098288 BRUSHCRASHER VRH VDT RMZ WMZ

FPA/N Number: 2817286 Section(s): 21,28 Township: 28N Range: 09E

Original Landowner (Signature): Cortney Coleman

Original Landowner (Printed): CORTNEY COLEMAN Date: 1 / 28 / 2022

New Operator – Complete this section only if you are:

☐ Changing an operator for: ☐ Road construction ☐ Timber harvest ☐ Aerial spray
☒ Adding an operator for: ☐ Road construction ☒ Timber harvest ☐ Aerial spray

Legal Name of New Operator: (Print)

Skagit Log and Construction

Phone: 360-708-5600

Email: linctorgerson@aol.com

Mailing Address:

5788 Schornbush Road
Deming, WA 98244

New Operator Signature: [Signature]

Date: 1-27-22

New Landowner – Complete this section only if you are transferring your FPA to a new landowner

☐ No ☐ Yes Are you a small forest landowner per RCW 76.09.450 (if yes, continue to question below)
☐ No ☐ Yes Is your entire proposed harvest area on a single contiguous ownership consisting of one or more parcel(s)?

Legal Name of New Landowner: (Print)

Mailing Address:

Phone:

Email:

Date:

New Landowner Signature:

New Timber Owner – Complete this section only if you are transferring your timber rights

Legal Name of Timber Owner: (Print)

Mailing Address:

Phone:

Email:

Forest Tax Reporting Account Number: (Contact Dept. of Revenue at: 1-800-548-8829)

New Timber Owner Signature: [Signature]

Date:

☒ Received by: [Signature]

Date: 2 / 1 / 22

(DNR Forest Practices Staff Signature) 11/01/2017